

CFE- Main plant Date: 22-11-2022

CFE-NO-65/APPGB/CFE/RO-VSP-HO-2012 Date 22-11-2022

PCB.ap.gov.in/PCBLive/ForIndustry/Submission_Compliance_of_EC_CFE_CFO_Direction

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Compliance of EC/CFE/ CFO/ Directions

For submission of compliance reports by the Industries

1.Compliance Report : *	2.CTE Order Number *
CTE	CFE-NO-65/APPGB/CFE/RO-VSP-HO-2012
3.CTE Order Issued On *	4.CTE Order Issued By *
11/22/2022	I lead Office
5. District : *	6.LineOfActivity : *
Visakhapatnam	Complex Fertilizer plant
7. Name Of Industry : *	8. Address : *
Coromandel International Ltd, (Formerly Coro...	Sriharipuram, Malkapuram (PO), Visakhapatnam
9. Email : *	10. Phone : *
nagarajud@coromandel.murugappa.com	8790035522
10. Status of Compliance : *	11. Upload the Compliance Report : *
Complied	Choose File CFE- Main plant.pdf

Note: *

☒ CFE/CFO : Please note that under Section 42(f) of Water (P CP) Act, 1974 giving any information which he is required to give under this Act, knowingly or willfully makes a statement which is false in any material particular shall be Punishable

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Verify it's you

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Compliance of EC/CFE/ CFO/ Directions

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CTE	CFE-NO-65/APPGB/CFE/RO-VSP-HO-2012
3.CTE Order Issued On *	4.CTE Order Issued By *
11/22/2022	Regional Office
5. District : *	6.LineOfActivity : *
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EHS/APPCB/2024 - 155

Date: 30.12.2024

To
The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Behind RTA Office,
Madhavadhara VUDA Colony,
Visakhapatnam – 530 018

Sub: Submission of Six-monthly compliance report as on 30.12.2024 for Consent for Establishment order **Issued** for Establishment for Seawater Reverse Osmosis Plant– Reg

Ref: 1. CFE No - Order No. 65/APPCB/CFE/RO-VSP/HO/2012- Date 22/11/2022
2. APPCB Notice No - PCB/RO-VSP/6 months compliance/2018 – Date 05. 07.2018


With reference to the above subject, herewith we are submitting the Six monthly condition wise compliance report as on 30.12.2024 of stipulated conditions in Consent For Operation issued vide Order No. 65/APPCB/CFE/RO-VSP/HO/2012 22/11/2022 of M/s **Coromandel International Limited, Sriharipuram** Visakhapatnam For Establishment for Seawater Reverse Osmosis Plant duly Certified by M/s **TEAM Labs and Consultants** NABL accredited Laboratory after carrying out site visit during the period 18.12.2024 and 19.12.2024 is enclosed for records.

This is for information please.

Thanking you,

Yours faithfully

For Coromandel International Limited



Gnanasundaram M
Vice President & Head Mfg.


NAG 30/12/24

Enclosures: 1. CFE compliance report
2. NABL accreditation Certificate



**ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE, VISAKHAPATNAM**

**R LAKSHMI NARAYANA
ENVIRONMENTAL ENGINEER**

Plot No.14, Flat No.103 & 104, Journalist Colony,
Marripalem VUDA Colony, Opp: Spencers
Visakhapatnam - 530009
Ph: 0891 - 2755356

Notice .No. /PCB/RO-VSP/6 months compliance/2018 -

Date:05/07/2018

Sub:- APPCB, RO, VSP – Non-submission of the Half yearly compliance report of CFO & HWA Conditions – Notice issued – Reg.

Ref:- CFO & HWA Order issued by APPCB from time to time to the industries.

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WHEREAS, you are operating the industry in the jurisdiction of Visakhapatnam and obtained CFO of the Board from time to time.

WHEREAS, the APPCB has issued CFO & HWA Order by stipulating certain conditions to comply with.

WHEREAS, while issuing CFO and Auto Renewal CFO Orders, the Board stipulated a condition “The facility shall submit the compliance report to all the stipulated conditions for Consent for Operation for every six months i.e. on 1st of January and 1st of July of every year.”

In view of the above, you are hereby directed to submit the CFO & HWA compliance report for every six months i.e. on 1st of January and 1st of July of every year.

You are requested to follow the above instructions without fail.

**Raavi
Lakshmi
Narayana**

ENVIRONMENTAL ENGINEER

Digitally signed by
Raavi Lakshmi
Narayana
Date: 2018.07.05
13:52:59 +05'30'



**National Accreditation Board for
Testing and Calibration Laboratories**

CERTIFICATE OF ACCREDITATION

TEAM LABS AND CONSULTANTS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

**B-115,116,117 & 509, ANNAPURNA BLOCK, ADITYA ENCLAVE, AMEERPET, HYDERABAD, TELANGANA,
INDIA**

in the field of

TESTING

Certificate Number: TC-12956

Issue Date: 24/01/2024

Valid Until: 23/01/2026

**This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued
satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)**

Name of Legal Entity: TEAM LABS AND CONSULTANTS

Signed for and on behalf of NABL



**N. Venkateswaran
Chief Executive Officer**

Registered Office : B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555, 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

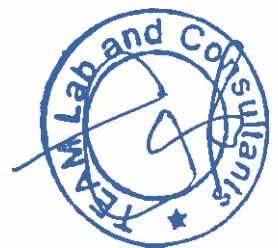
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Ph. : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

CFE Compliance to Consent order No: 65/APPCB/CFE/RO-VSP/HO/2012 dated 22/11/2022

From the period of June -2024 to November-2024

S.No	Consent Condition	Compliance
1	The proponent shall obtain Consent to Operate (CTO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the trial runs.	Noted and being complied.
2	Separate energy meter shall be provided for effluent treatment plant (ETP) and Air pollution control equipment's to record energy consumed. The applicant shall properly maintain separate energy meters for Effluent Treatment Plant (ETP) and Air pollution Control equipment's to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.	Complied.
3	The industry shall properly maintain separate storm water drains. No effluents shall be discharged in to the storm water drains.	Complied. Maintained dedicated storm water drains.
Water		
4	The source of water is GVMC & Sea. The maximum permitted water consumption is as following after expansion of Sulphuric acid plant:	Complied recorded data implies the compliance



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S. No.	Purpose	Quantity (KLD)				Total after expansion
		As per EC Order dt.07.01.2021	As per CFE Order dt.27.07.2022	As per CFE Order dt.08.02.2022 and 24.08.2022	As per CFO Order dt.30.09.2022	
1	Process & Washes	Total – 14550		Total – 14550 (Existing 10,350 + SAP3-1800 + PAP-2400 KLD)	12750KLD* (Existing : 10350 KLD +PAP : 2400KLD)	Total – 16600 (Existing 10,350 + SAP3-1800 + PAP-2400 KLD) (Proposed- SAP - 650+ PAP-1400 =2050)
2	Industrial Cooling (Make up) – Fresh Water (from GVMC or from De-salination plant or combination of both)					
3	Boiler feed					
4	Domestic & Other					
	Subtotal	14550		14550		16600
5	Industrial cooling Sea water	84600	40,000	84600	84600	84600+40000 = 124600
	Grand Total	99,150	40,000	99150		1,41,200

5	The maximum waste water generation shall not exceed the following after expansion of Sulphuric acid plant:	Complied.
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S. No.	Source	Quantity (KLD)				Total after Expansion
		As per the CFE orders dt.08.02.2020 & 24.02.2022	As per CFE Order dt.27.07.2022	As per CFO Order dt.30.09.2022	As per CFE Expansion	
1.	Process & Washings	1800	-	1800	--	1800
2.	Cooling & Water Blow Down	81,600	25,000 (SWRO Rejects)	81600	25000	1,06,600
3.	Domestic	530	-	530	--	530
	Total	83,930	25,000 (SWRO Rejects)	--	--	1,08,930

6	All the units of the ETP & STP systems shall be impervious to prevent ground water pollution. The ETP & STP systems shall be maintained properly to achieve the standards.	Complied. Third-party ETP & STP Reports, here with enclosed as Annexure-01 for your reference
7	Process effluents shall be recycled / reused within factory premises to achieve zero discharge except during the rainy season, as stipulated in Specific conditions – point (ix) of EC order dt. 14.07.2017.	Complied. Treated effluents are being recycled to achieve zero discharge

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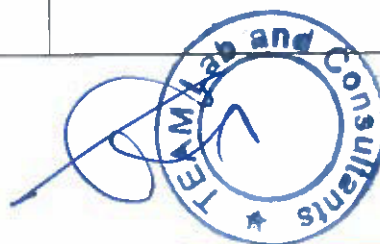
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8	During rainy season, the treated waste water shall meet the water discharge standards, as stipulated in condition no.2 of Schedule-B of CFO order dt. 19.03.2018.	Complied.
9	The industry shall provide magnetic flow meters with totalisers at the inlet and outlet of ETP.	Complied. Provided magnetic flow meters with totalizers at the inlet and outlet of ETP.
10	Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. All pipe valves, sewers, drains shall be leak proof.	Complied.
11	The Air pollution Control equipment shall be maintained properly and shall comply with the following for controlling air pollution after expansion :	Complied.
12.	The industry shall properly maintain 400 MTPD evaporation system for Phosphoric Acid including Fluorine recovery system as stipulated in the EC order dt.14.07.2017.	Complied.
13.	A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.	Complied.
14.	The industry shall properly maintain online pH measuring facility with auto recording system to the scrubbers provided to treat the process emissions.	Complied. Installed online pH measuring facility with auto recording system.
15.	The industry shall implement adequate measures to control all fugitive emissions from the plant.	Complied.
16.	<p>The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoEF, GoI vide notification No. GSR. 826 (E), dated.16.11.2009 during construction and regular operational phase of the project at the periphery.</p> <p>The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.</p>	Complied. Third Party NAAQS report indicate compliance, copy of report enclosed as Annexure -02 for reference



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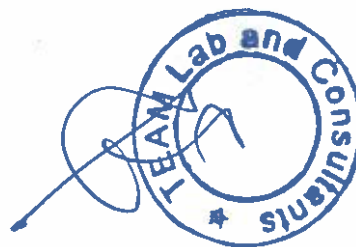
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17.	The industry shall comply with the following for disposal of Solid Waste after expansion:					Complied.
S. No.	Description of waste	Stream	Quantity(TPA)			Disposal
			Existing as per CFO order dt.30.09.2022	Applied for Expansion	Total after expansion	
Hazardous Waste with Disposal Option:						
1.	Acid Residues (Tank Bottom sludge) (TPA)	34.2 Schedule-I	45	15	60	Recycle to phosphoric reactor utilizable
2.	Sulphur muck (Sulphur)	Class B (S.No. 37)	750	750	1500	Recycle to the process



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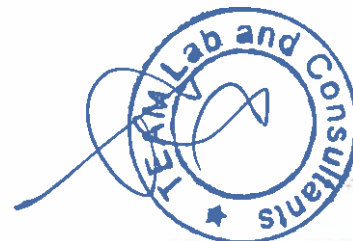
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	Sludge) (TPA)	of Schedule-II				filter mat the gra plant (as t waste)
3.	Spent catalyst (TPA)	18.1 of Schedule-I	65	50	115	Shall be through / co as to authorized Reprocess Recyclers recyclable (or) Parawada secured filling landfillable
4.	Used lubricating oil drained oil (Y/LPA)	5.1 of Schedule-I	50	10	60	Shall be through / co as to authorized Reprocess Recyclers recyclable
5.	Detoxified Containers (Nos./Annum)	33.1 Schedule-I	Containers - 15000 Nos./annum	-	Containers - 15000 Nos./annum	Shall be through / co as to to agencies, detoxified
6.	SMS sludge (TPA)	34.2 Schedule-I	15	-	15	Shall be through co as to cement in for co-pro (as t waste) / d to Parawada AFRF utilizable w
7.	Scrubbing sludge (TPA)	37.1 Schedule-I	450	-	450	Reuse bac process utilizable w
8.	ETP sludge (TPA)	35.3 of Schedule -I	1200	-	1200	Recycle b process utilizable w
9.	Off specified, expired chemicals & lab chemicals etc. (TPA)	28.4 of Schedule -I	50	-	50	Shall be through APEMCL : dispose u Parawada incinerator



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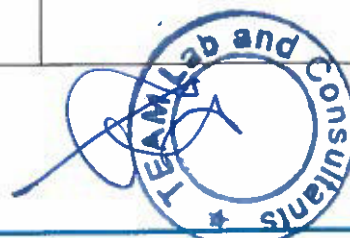
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						Authorized Cement Ind. for CoProcs
10.	E- Waste (IPM)	—	25	—	25	Authorized e waste recycl dismantler
11.	Fly Ash (TPD)	—	25	—	25	To cement industries / Br manufacture units

18	<p>The following rules and regulations notified by the MoEF&CC, Gol shall be implemented.</p> <p>a) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.</p> <p>b) Plastic Waste Management Rules, 2016.</p> <p>c) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.</p> <p>d) Fly Ash Notification, 2016.</p> <p>e) Batteries (Management & Handling) Rules, 2010.</p> <p>f) E-Waste (Management) Rules, 2016.</p> <p>g) Construction and Demolition waste Management Rules, 2016.</p> <p>i) Solid Waste Management Rules, 2016.</p> <p>j) The Public Liability Insurance Act, 1991 and its amendments thereof.</p>	Noted by the Industry for Compliance
Other conditions:		
19.	<p>The MoEF& CC, Gol, New Delhi vide Ir. dt.21.04.2022 addressed to their sisterconcern M/s.Coromandel International, Beach Road, Kakinada, Andhra Pradeshclarified that establishment of new Phosphoric Acid Plant (PAP) in the existing plantat Kakinada, East Godavari district may not be considered to be covered underextent provision of the EIA Notification 2006 with subsequent amendments, and thusnot requiring prior EC.</p>	Noted by the Industry for Compliance
20.	<p>The Board addressed to the MoEF& CC, Gol, New Delhi on the applicability ofEnvironmental Clearance for expansion of Bentonite Sulfur / Bentonite Sulfurwith micronutrients, Sulfo Zinc and Sulfo Boron and installation of coal firedfurnace for customized fertilizer plant. The industry shall abide by thedecision of the MoEF& CC, Gol, New Delhi regarding applicability of EC to theproject.</p>	Noted by the Industry for Compliance



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21.	The industry shall submit compliance to the conditions stipulated in the EC and CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CFE_CFO_Directon.aspx	Complied. Submitted all EC Half yearly compliance reports on 30.11.2024, Annexure -03 for your reference
22.	The industry submitted a copy of letter stating that the MoEF&CC, Govt, New Delhi vide Ir.dt.30.05.2018 addressed to M/s. Southern Petro Chemical Industries Corporation (SPIC) clarified that the intermediate product (Phosphoric Acid) is not covered under the purview of the EIA notification 2006, and as such there is no requirement of Environmental Clearance to the said project as stand alone. Similarly, in this case also EC is not required as Sulphuric acid is one of the raw materials / intermediates for manufacture of Chemical fertilizer.	Noted by Industry
23.	The industry shall submit a report on recycling of treated effluent into the process to achieve zero discharge except during rainy season.	Complied.
24.	The industry shall display online data outside the main factory gate on quantity and nature of hazardous chemicals being used in the plant, water & air emissions and solid waste generated within the factory premises, as per Hon'ble Supreme Court order.	Complied. The image of the display Online image, enclosed as Annexure -04 for reference
25.	The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.	Complied. Submitted safety audit report by Industry to PCB on 28.03.2024. Annexure-05 for reference
26.	The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.	Complied. Industry Submitted fire NOC to RO, APPCB on 22.04.2024 Annexure-06 for reference.
27.	The industry shall submit risk assessment report covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.	Complied.
28.	The industry shall obtain PESO clearance & policy under PLI Act before applying for CTO of the Board.	Complied. PESO license No. G/SZ/AF/08/7522(G83925) here

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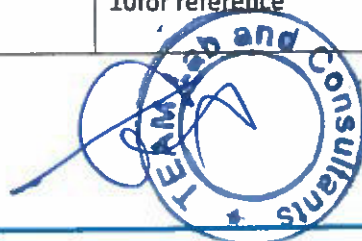
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		with enclosed as Annexure-07 for reference and PLI policy no. 96000036243300000001 obtained as per Public Liability Insurance Act, 1991. A copy of PLI policy, which is valid up to 31.03.2025, is herewith enclosed as Annexure-08 for reference.
29.	The industry shall comply with the technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at www.ap.gov.in .	Complied.
30.	The industry shall utilize DG power for captive consumption only & power shall not be supplied to grid and shall follow the amendments issued by MoEF & CC/CPCB from time to time on DG sets in respect of conditions & standards.	Complied.
31.	Green belt shall be developed all along the boundary & vacant spaces with tall growing trees with good canopy and it shall not be less than 33% of the total area.	Complied.
32.	The industry shall submit compliance to the conditions stipulated in the CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CFE_CFO_Direction.aspx .	Complied. Half yearly CFE condition wise compliance submitted by Industry on 01-07-24. enclosed as Annexure-09 for your reference
33.	The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Regional Office and Zonal Office of the Board.	Complied. Being Submitted Ozone Depleting Substance consumption data by Industry once in six months to the Regional Office and Zonal Office of the Board on 06.05.24. Herewith enclosed as Annexure-10 for reference



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TEAM

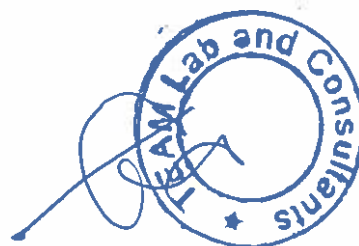
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**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

34.	Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.	Noted by Industry for Compliance
35.	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.	Noted by Industry for Compliance
36.	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.	Noted.



(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

EIA Consultancy Accredited by NABET, Quality Council of India.

TEAMORIGINAL

Form-No. TCLU/GF/RF-138

Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

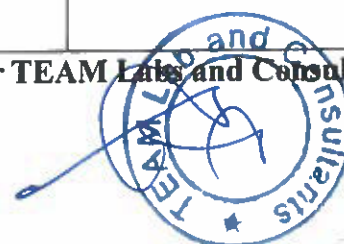
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NABL Accredited Laboratory

TEST REPORT

Test Report No.		TLC/V/Env/CFL/24/1124			dt.02.11.2024
Description of Test		ETP Outlet water Analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		ETP Out let samples			
Date of Collection		16-11-2024			
Analysis report of ETP Outlet water for the Month of – NOVEMBER -2024					
S.No	Parameter	units	ETP Outlet	APPCB LIMIT	Protocol
1	PH		7.6	6.5-8.5	IS:3025 Part 11-1983
2	Total Suspended Solids	mg/l	20	100	IS:3025 Part 17-1984
3	Oil & Grease	mg/l	NIL	10	IS:3025 Part 39-1991
4	Ammonical Nitrogen	mg/l	12	50	APHA4500C
5	Free Ammonical Nitrogen	mg/l	0.2	4.0	APHA4500C
6	Total Kjeldal Nitrogen	mg/l	30	75	APHA4500B
7	Nitrate Nitrogen	mg/l	0.1	20	APHA4500D
8	Cyanides as CN	mg/l	<0.1	0.1	SM 4500CN E
9	Arsenic as As	mg/l	<0.02	0.2	SM3125
10	Vanadium as V	mg/l	<0.1	0.2	SM3125
11	Hexa valent Chromium as Cr 6+	mg/l	<0.02	0.1	SM3125
12	Total Chromium	mg/l	<0.01	2.0	SM3125
13	Fluoride as F-	mg/l	1.0	10	SM 4500 F- D
14	Phosphates as P	mg/l	0.8	5	APHA4500D
15	BOD	mg/l	14	30	IS:3025 Part 44-1993
16	COD	mg/l	70	250	IS:3025 Part 58-2006
17	Temperature difference between intake water and outlet	0C	30	NA	

For TEAM Labs and Consultants



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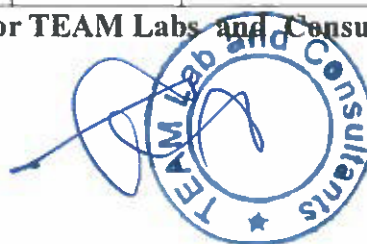
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Gol, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No.		TLC/V/Env/CFL/22/0824			dt.02.12.2024
Description of Test		STP Outlet water Analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		STP Out Let samples			
Date of Collection		16.11.2024			
Analysis report of STP Outlet water for the Month of NOVEMBER-2024					
1	PH		7.6	6.5-8.5	IS:3025 Part 11-1983
2	Total Suspended Solids	mg/l	18	100	IS:3025 Part 17-1984
3	Oil & Grease	mg/l	NIL	10	IS:3025 Part 39-1991
4	Ammonical Nitrogen	mg/l	5.5	50	APHA4500C
5	Free Ammonical Nitrogen	mg/l	0.1	4.0	APHA4500C
6	Total Kjeldal Nitrogen	mg/l	18	75	APHA4500B
7	Nitrate Nitrogen	mg/l	0.1	20	APHA4500D
8	Cyanides as CN	mg/l	<0.1	0.1	SM 4500CN E
9	Arsenic as As	mg/l	<0.02	0.2	SM3125
10	Vanadium as V	mg/l	<0.1	0.2	SM3125
11	Hexa valent Chromium as Cr ⁶⁺	mg/l	<0.02	0.1	SM3125
12	Total Chromium	mg/l	<0.01	2.0	SM3125
13	Fluoride as F ⁻	mg/l	0.5	10	SM 4500 F- D
14	Phosphates as P	mg/l	0.2	5	APHA4500D
15	BOD	mg/l	17	30	IS:3025 Part 44-1993
16	COD	mg/l	75	250	IS:3025 Part 58-2006
17	Temperature difference between intake water and outlet	°C	03	5°C	
18	Fecal Coliform (FC)	1000MP N/100ml	500	<1000	

For TEAM Labs and Consultants



TEAMORIGINAL

Form-No. TCLL/GF/RF-138

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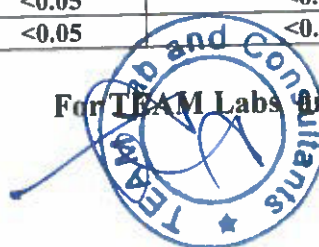
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NABL Accredited Laboratory

TEST REPORT

Test Report No.		TLC/V/Env/CIL/17/1124		dt.02.12.2024
Description of Test		Ambient Air quality Monitoring inside the CIL		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		Stations as per details given		
Period of Monitoring		For the Month ofNOVEMBER-2024		
Summary of Ambient Air quality Monitoring Data for the Month of NOVEMBER-2024				
Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	32	35	33
	Maximum	41	42	41
	98%tile	41	42	41
	Average	37	39	37
PM 10 $\mu\text{g}/\text{M}^3$	Minimum	66	69	64
	Maximum	80	84	78
	98%tile	80	84	78
	Average	74	76	73
SO ₂ $\mu\text{g}/\text{M}^3$	Minimum	15.0	20.5	14.2
	Maximum	23.0	25.4	16.6
	Average	19.5	23.3	15.5
	98%tile	23.0	25.4	16.6
NO _x $\mu\text{g}/\text{M}^3$	Minimum	17.4	20.9	16.3
	Maximum	22.7	25.5	19.5
	98%tile	22.7	25.5	19.5
	Average	20.3	22.9	17.5
NH ₃ mg/M^3	Minimum	0.020	0.04	0.02
	Maximum	0.04	0.06	0.03
	98%tile	0.04	0.06	0.03
	Average	0.035	0.046	0.025
O ₃ $\mu\text{g}/\text{M}^3$	Minimum	15	16	15
	Maximum	22	24	20
	98%tile	22	24	20
	Average	19	21	17
CO mg/M^3	Minimum	0.1	0.2	0.1
	Maximum	0.3	0.3	0.3
	98%tile	0.3	0.3	0.3
	Average	0.22	0.25	0.2
Pb $\mu\text{g}/\text{M}^3$	<0.05	<0.05	<0.05	<0.05
C6H6 ng/M^3	<0.05	<0.05	<0.05	<0.05
B(a)P ng/M^3	<0.05	<0.05	<0.05	<0.05
As ng/M^3	<0.05	<0.05	<0.05	<0.05
Ni ng/M^3	<0.05	<0.05	<0.05	<0.05

For TEAM Labs and Consultants



Labs and Consultants

Registered Office :

B-115, 116, 117 & 509, Annapurna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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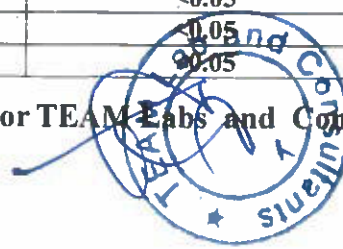
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Gol, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No.		TLC/V/Env/CIL/18/1124	dt.02.12.2024
Description of Test		Ambient Air quality Monitoring inside the CIL unit	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Period of Monitoring		For the Month ofNOVEMBER-2024	
Summary of Ambient Air quality Monitoring Data for the Month of NOVEMBER-2024			
Parameters		AAQ-4 Station at Warf	AAQ-5 Station near VST
PM2.5	Minimum	32	37
	Maximum	40	44
	98%tile	40	44
	Average	37	40
PM 10 µg/M³	Minimum	64	72
	Maximum	82	84
	98%tile	82	84
	Average	74	77
SO₂ µg/M³	Minimum	15.0	16.9
	Maximum	17.2	19.5
	Average	16.0	17.9
	98%tile	17.2	19.5
NOₓ µg/M³	Minimum	17.5	18.5
	Maximum	19.4	20.2
	98%tile	19.4	20.2
	Average	18.5	19.7
NH₃ mg/M³	Minimum	0.02	0.04
	Maximum	0.03	0.06
	98%tile	0.03	0.06
	Average	0.024	0.46
O₃ µg/M³	Minimum	15	16
	Maximum	20	20
	98%tile	20	20
	Average	17	18
CO mg/M³	Minimum	0.2	0.2
	Maximum	0.3	0.3
	98%tile	0.3	0.3
	Average	0.25	0.28
Pb µg/M³	<0.05	<0.05	<0.05
C6H6 ng/M³	<0.05	<0.05	<0.05
B(a)P ng/M³	<0.05	<0.05	<0.05
As ng/M³	<0.05	<0.05	<0.05
Ni ng/M³	<0.05	<0.05	<0.05

For TEAM Labs and Consultants



EHS/MoEF/2024-131

30/11/2024

To
The Director,
Regional Office (South Eastern Zone)
Ministry of Environment, Forests and Climate Change
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034

Dear Sir,

Sub: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Ref: F. No. J-11011/388/2006-IA II (I) dated 18.05.2007

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC
for enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD

Period of submission : **April- 2024 to September-2024**
Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited



M. Gnanasundaram
VP – Head Manufacturing


NAG/DNR
Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 01 December 2024 18:20
To: eccompliance-ap@gov.in; rovspappcb@gmail.com; zovspappcb
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Half Yearly EC (Environment Clearance) Compliance Report- regd.
Attachments: MoEF Complex PAP (Apr-24 to Sep -24).pdf

Dear Sir,

Ref: F. No. J-11011/388/2006-IA II (I) dated 18.05.2007

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD

Period of submission : April – 2024 to September -2024
Unit : Coromandel International Limited, Visakhapatnam

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE


Coromandel
FUTURE POSITIVE
Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam-530 011
Andhrapradesh, India.
F: +91 891-2578400
W: www.coromandel.biz
A MURUGAPPA GROUP COMPANY

Coromandel International Limited, Visakhapatnam

MoEF-EC- COMPLIANCE STATUS OF Environmental Clearance (EC) issued by MOEF for enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD

Reference : F No. J-11011/388/2006-IA II (I) dated 18.05.2007

(For the period from April -2024 to September -2024)

A. SPECIFIC CONDITIONS:

S.No.	Specific conditions	Compliance status
i.	The gaseous emissions (SO ₂ , NO _x , NH ₃ , Urea dust) particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Monitoring of HF shall be carried out along with other parameters. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	<p>Complied</p> <p>All the applicable gaseous parameters including that of Fluorides are monitored vide online OCEMS and are connected to the APPCB & CPCB and are maintained within the limits. Necessary interlocking are in place to limit the emission within the limits.</p> <p>Regular 3rd party monitoring reports are submitted to the concerned authorities.</p> <p>A copy of the acknowledgment herewith is enclosed as Annexure – 01.</p>
ii.	Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration is anticipated in consultation with the APPCB and data submitted to the Ministry's Regional Office at Bangalore six monthly and APPCB quarterly along with statistical analysis.	<p>Complied</p> <p>Installed three online monitoring AAQM stations and connected them to the APPCB server. Ambient air quality is also being monitored through MoEF approved laboratory and AAQMS data is submitted to MoEFCC & APPCB regularly. Quarterly reports are being submitted to APPCB.(Acknowledgment copy is attached)</p> <p>A copy of the submitted acknowledgment is enclosed Annexure - 02</p>
iii.	Total water requirement will be met from Municipal Water supply. No	Complied

Coromandel International Limited, Visakhapatnam

S.No.	Specific conditions	Compliance status
	effluent will be generated from water-soluble fertilizer plant since entire quantity of water will be recycled in the process. Liquid effluent from cooling tower blow down will be recycled and reused in phosphoric acid / granulation plants and in case of no consumption, it will be sent to ETP. Treated effluent will be disposed off into the sea at a distance of 5.0 K through a channel.	<p>Pesently our water requirement are met through the 6 MLD de-salination plant and 16600 KLD GVMC supply.</p> <ul style="list-style-type: none"> - Effluent generated from Water Soluble Fertilizer plant and cooling Tower blow down water are recycled in the process. - Once through cooling is discharged into sea at a distance of more than 6 KM through a channel.
iv.	Prior clearance under the Coastal Regulation Zone (CRZ) shall be obtained from the State / Central Govt. for the disposal of treated effluent into the Sea.	<p>Complied</p> <p>Coromandel does not discharge any treated effluent directly into the sea.</p> <p>Coromandel has been permitted to discharge its treated effluents from ETP and return Once through cooling water in a common channel provided by the Visak Port authorities since the plant was established in 1967 (prior to CRZ rules 1991)</p> <p>Coromandel discharge point is approx. 03 km away from the Meghadrigedda overflow channel. All other industries (HPCL, APCL, IOCL, and BPCL) are also discharging into a common channel.</p>
v.	Regular monitoring of groundwater by installing Piezometric wells around the guard pond and sludge disposal site shall be periodically monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and APPCB.	<p>Complied</p> <p>Groundwater monitoring through 5 Piezo wells and 8 Bore wells located in and around the guard pond and reports furnishing to APPCB regularly.</p> <p>A copy of the submitted acknowledgment is enclosed in Annexure – 03</p>

Coromandel International Limited, Visakhapatnam

S.No.	Specific conditions	Compliance status
vi.	Gypsum produced as a by-product from phosphoric acid plant shall be utilized in cement industries as a retarder as well as soil conditioner for agricultural use. Waste oil shall be sold to the authorized recyclers / preprocessors.	<p>Complied</p> <p>Gypsum is being disposed off to various nearby industries, predominantly Cement industries and also for agricultural purposes.</p> <p>Waste oil is being disposed to CPCB-approved recyclers.</p>
vii.	The company shall adopt rainwater-harvesting measures to reduce requirement of the fresh water.	Rain water harvesting is not feasible as the plant is very close to the sea and water table is very high in the area. However we have provided collection pit for the collection of the storm water and recycling it in the process to conserve the fresh water.
viii.	Green belt shall be developed in 33 % area and properly maintained to mitigate the effects of fugitive emissions all around the plant as per the Central Pollution Control Board guidelines.	<p>Complied</p> <p>Out of the 428 acres, the revised land area is 313 (after demarking from VPT) and the green belt is developed in 120 acres area which is more than 33%. Hence Complied</p> <p>Photographs of the plantations are attached in Annexure -04</p>
ix.	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries.	<p>Complied.</p> <p>A copy of the submitted half-yearly CSR report is enclosed in Annexure – 05</p>

Coromandel International Limited, Visakhapatnam

B. GENERAL CONDITIONS :-

S.No.	General conditions	Compliance status
i.	The project authorities must strictly adhere to the stipulations made by the A .P. Pollution Control Board (APPCB) and the State Government	Agreed.
ii.	No further expansion/modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	Prior approval will be taken from statutory body/ MOEF as and when any expansion is envisaged.
iii.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003.	Maintaining FORM-3 and FORM-13 for storage and transfer of hazardous waste.
iv.	The project proponent shall also comply with all the safeguards recommended in the EIA /EMP Report.	Agreed.
v.	The project authorities will set up a separate environmental management cell for effective implementation of all the above stipulations under control of Senior Executive.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS level are in place. We have engaged NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
vi.	Adequate funds towards capital cost and recurring expenditure/annum shall be earmarked and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and a time bound	Complied Funds are provided through internal fund allocation systems.

Coromandel International Limited, Visakhapatnam

S.No.	General conditions	Compliance status
	implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purposes.	
vii.	The Regional Office of this Ministry at Bangalore / Central Pollution Control Board / APPCB will monitor the stipulated conditions. A six-monthly compliance status report and the monitored data along with statistical interpretation shall be submitted to monitoring agencies regularly.	<p>Complied</p> <p>Compliance reports are sent regularly and the same are uploaded to the company website. The company website link is https://www.coromandel.biz/ A copy of the submitted Half yearly is enclosed in Annexure – 06</p>
viii.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the APPCB / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.	<p>Complied</p> <p>Advertised in prominent news papers dated – 27.05.2008 in local language and also English, and copies were forwarded to Regional Office, MoEF.</p>
ix.	The Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work, if any.	<p>Complied</p> <p>The Project was supported with Internal Fund Allocations. All the projects were completed by 2009-10.</p>
x.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not	Noted

Coromandel International Limited, Visakhapatnam

S.No.	General conditions	Compliance status
	satisfactory.	
xi.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.	Agreed.
xii.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<p>Complied</p> <p>We have obtained Consent for Operation from APPCB CFO Valid up to 31.08.2027.</p> <p>A copy of the CFO herewith enclosed in Annexure – 07</p> <p>We have obtained a public liability Insurance Policy valid till 31.03.2025.</p> <p>A copy of the PLI herewith enclosed in Annexure – 08</p>

EHS/APPCB/2024 - 103

04-10-2024

To,

The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam - 530018

Dear Sir,

Sub: Submission of Environmental Monitoring Reports for the month September' 2024 – Reg.

Ref: I) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023

With reference to above we are here with attaching the analysis reports of the third party for the month of September' 2024. The following are the analysis reports:

1. National Ambient Air Quality
2. Noise Monitoring Reports
3. STP Outlet Water Quality
4. ETP Outlet Water Quality
5. Piezo Well Water Quality
6. Stack Monitoring Reports
7. Ground Water Reports

This is for your kind information & Records

Thanking you,

Yours faithfully,

for Coromandel International Limited



Gnanasundaram M
Vice President & Head Mfg.


NAG



EHS/APPCB/2024 - 103

04- 10 -2024

To,

The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -530018

Dear Sir,

Sub: Submission of Environmental Monitoring Reports for the month September' 2024 – Reg.

Ref: I) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023

With reference to above we are here with attaching the analysis reports of the third party for the month of **September' 2024**. The following are the analysis reports:

1. National Ambient Air Quality
2. Noise Monitoring Reports
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5. Piezo Well Water Quality
6. Stack Monitoring Reports
7. Ground Water Reports

This is for your kind information & Records

Thanking you,

Yours faithfully,

for Coromandel International Limited



Gnanasundaram M
Vice President & Head Mfg.


NAG

Labs and Consultants**Registered Office :**

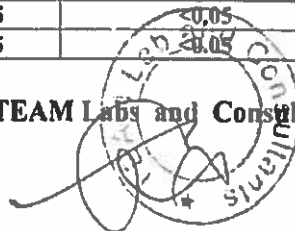
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Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986
NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No.	TLC/V/Env/CIL/17/0924		dt.01.10.2024	
Description of Test	Ambient Air quality Monitoring inside the CIL			
Name of the client	Coromandel International Limited, Visakhapatnam			
Location of sampling	Stations as per details given			
Period of Monitoring	For the Month ofSEPTEMBER-2024			
Summary of Ambient Air quality Monitoring Data for the Month of SEPTEMBER-2024				
Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	22	26	22
	Maximum	40	42	42
	98%tile	40	42	42
	Average	32	35	37
PM 10 µg/M ³	Minimum	50	52	68
	Maximum	78	80	80
	98%tile	78	80	80
	Average	65	68	74
SO ₂ µg/M ³	Minimum	12.5	13.2	12.9
	Maximum	20.2	23.5	15.5
	Average	16.4	18.9	14.4
	98%tile	20.2	23.5	15.5
NO _x µg/M ³	Minimum	12.4	15.8	11.6
	Maximum	21.3	22.4	19.5
	98%tile	21.3	22.4	19.5
	Average	17.4	18.8	18.1
NH ₃ mg/M ³	Minimum	0.01	0.01	0.01
	Maximum	0.04	0.05	0.03
	98%tile	0.04	0.05	0.03
	Average	0.025	0.03	0.02
O ₃ µg/M ³	Minimum	10	10	10
	Maximum	22	22	20
	98%tile	22	22	20
	Average	16	16	15
CO mg/M ³	Minimum	0.1	0.1	0.1
	Maximum	0.2	0.2	0.3
	98%tile	0.2	0.2	0.3
	Average	0.15	0.15	0.2
Pb µg/M ³	<0.05	<0.05	<0.05	<0.05
C6H6 ng/M ³	<0.05	<0.05	<0.05	<0.05
B(a)P ng/M ³	<0.05	<0.05	<0.05	<0.05
As ng/M ³	<0.05	<0.05	<0.05	<0.05
Ni ng/M ³	<0.05	<0.05	<0.05	<0.05

For TEAM Labs and Consultants



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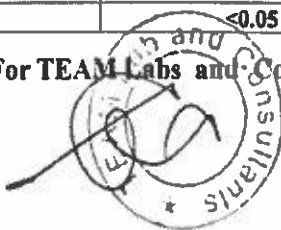
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TEST REPORT

Test Report No.		TLC/V/Env/CIL/18/0924	dt.01.10.2024
Description of Test		Ambient Air quality Monitoring inside the CIL unit	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Period of Monitoring		For the Month ofSEPTEMBER-2024	
Summary of Ambient Air quality Monitoring Data for the Month of SEPTEMBER-2024			
Parameters		AAQ-4 Station at Warf	AAQ-5 Station near VST
PM2.5	Minimum	24	25
	Maximum	39	39
	98%tile	39	39
	Average	32	32
PM 10 µg/M ³	Minimum	50	50
	Maximum	75	76
	98%tile	75	76
	Average	63	64
SO ₂ µg/M ³	Minimum	10.9	10.8
	Maximum	16.0	16.7
	Average	13.4	13.8
	98%tile	16.0	16.7
NO ₂ µg/M ³	Minimum	12.5	12.6
	Maximum	18.8	18.8
	98%tile	18.8	18.8
	Average	15.6	15.8
NH ₃ mg/M ³	Minimum	0.01	0.01
	Maximum	0.04	0.05
	98%tile	0.04	0.05
	Average	0.02	0.03
O ₃ µg/M ³	Minimum	10	10
	Maximum	20	20
	98%tile	20	20
	Average	15	15
CO mg/M ³	Minimum	0.1	0.1
	Maximum	0.2	0.3
	98%tile	0.2	0.3
	Average	0.15	0.2
Pb µg/M ³	<0.05	<0.05	<0.05
C6H6 ng/M ³	<0.05	<0.05	<0.05
B(a)P ng/M ³	<0.05	<0.05	<0.05
As ng M ³	<0.05	<0.05	<0.05
Ni ng/M ³	<0.05	<0.05	<0.05

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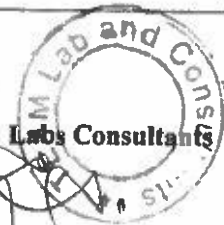
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TEST REPORT

Test Report No	TLC/V/Env/CIL/30E/0924	DATE 01-10-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	SEPTEMBER-2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70dB)
VST Terminal		
Night	Storage Trucks Area	54
	Control Room	50
	VST Gate	49
	Transformer Area	60
	LOCATION / AREA	NOISE LEVEL LIMITI (75dB)
Day	Storage Trucks Area	65
	Control Room	66
	VST Gate	64
	Transformer Area	69

For Team Labs Consultants



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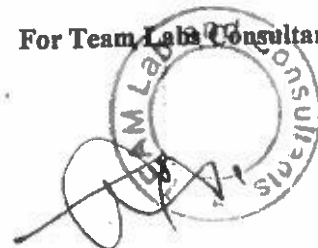
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TEST REPORT

Test Report No	TLC/V/Env/CIL/30D/0924	DATE 01-10-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	SEPTEMBER-2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70dB)
	WHARF	
Night	Control Room	52
	Trucks loading Area	50
	Boiler Area	58
	Bearth Area	62
	LOCATION / AREA	NOISE LEVEL LIMITI (75dB)
Day	Control Room	65
	Trucks loading Area	70
	Boiler Area	63
	Bearth Area	65

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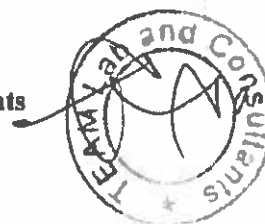
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TEST REPORT

Test Report No	TLC/V/Env/CIL/30C/0924	DATE 01-10-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	SEPTEMBER-2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	52
	2nd Gate	54
	3rd Gate (Plant)	55
	4th Gate	52
	5th Gate	48
	6th Gate	50
	7th Gate	55
	8th Gate	56
	9th Gate	54
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	68
	2nd Gate	64
	3rd Gate (Plant)	67
	4th Gate	62
	5th Gate	63
	6th Gate	68
	7th Gate	60
	8th Gate	65
	9th Gate	66
	Contractor gate	62

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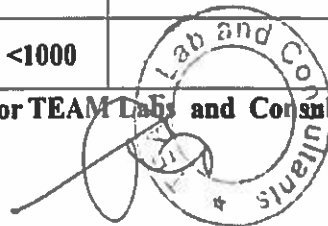
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TEST REPORT

Test Report No.		TLC/V/Env/CFL/22/0824			dt.01.10.2024
Description of Test		STP Outlet water Analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		STP Out Let samples			
Date of Collection		17.09.2024			
Analysis report of STP Outlet water for the Month of SEPTEMBER-2024					
1	PH		7.6	6.5-8.5	IS:3025 Part 11-1983
2	Total Suspended Solids	mg/l	20	100	IS:3025 Part 17-1984
3	Oil & Grease	mg/l	NIL	10	IS:3025 Part 39-1991
4	Ammonical Nitrogen	mg/l	6.0	50	APHA4500C
5	Free Ammonical Nitrogen	mg/l	0.1	4.0	APHA4500C
6	Total Kjeldal Nitrogen	mg/l	18	75	APHA4500B
7	Nitrate Nitrogen	mg/l	0.1	20	APHA4500D
8	Cyanides as CN	mg/l	<0.1	0.1	SM 4500CN E
9	Arsenic as As	mg/l	<0.02	0.2	SM3125
10	Vanadium as V	mg/l	<0.1	0.2	SM3125
11	Hexa valent Chromium as Cr ⁶⁺	mg/l	<0.02	0.1	SM3125
12	Total Chromium	mg/l	<0.01	2.0	SM3125
13	Fluoride as F ⁻	mg/l	0.5	10	SM 4500 F- D
14	Phosphates as P	mg/l	0.1	5	APHA4500D
15	BOD	mg/l	16	30	IS:3025 Part 44-1993
16	COD	mg/l	80	250	IS:3025 Part 58-2006
17	Temperature difference between intake water and outlet	°C	03	5°C	
18	Fecal Coliform (FC)	1000MP N/100ml	400	<1000	

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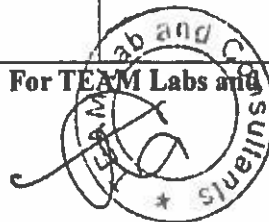
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TEST REPORT

Test Report No.		TLC/V/Env/CFL/24/0824			dt.01.10.2024
Description of Test		ETP Outlet water Analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		ETP Out let samples			
Date of Collection		21.08-2024			
Analysis report of ETP Outlet water for the Month of August -2024					
S.No	Parameter	units	ETP Outlet	APPCB LIMIT	Protocol
1	PH		7.7	6.5-8.5	IS:3025 Part 11-1983
2	Total Suspended Solids	mg/l	22	100	IS:3025 Part 17-1984
3	Oil & Grease	mg/l	NIL	10	IS:3025 Part 39-1991
4	Ammonical Nitrogen	mg/l	15	50	APHA4500C
5	Free Ammonical Nitrogen	mg/l	0.2	4.0	APHA4500C
6	Total Kjeldal Nitrogen	mg/l	24	75	APHA4500B
7	Nitrate Nitrogen	mg/l	0.1	20	APHA4500D
8	Cyanides as CN	mg/l	<0.1	0.1	SM 4500CN E
9	Arsenic as As	mg/l	<0.02	0.2	SM3125
10	Vanadium as V	mg/l	<0.1	0.2	SM3125
11	Hexa valent Chromium as Cr 6+	mg/l	<0.02	0.1	SM3125
12	Total Chromium	mg/l	<0.01	2.0	SM3125
13	Fluoride as F-	mg/l	0.8	10	SM 4500 F- D
14	Phosphates as P	mg/l	0.4	5	APHA4500D
15	BOD	mg/l	14	30	IS:3025 Part 44-1993
16	COD	mg/l	70	250	IS:3025 Part 58-2006
17	Temperature difference between intake water and outlet	0C	27.5	NA	

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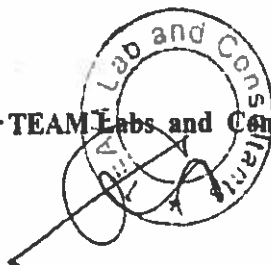
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TEST REPORT

Test Report No		TLC/V/Env/CFL/21A/0924	dt.01.10.2024
Description of Test		Peizo wells Water analysis	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Date of Sample collection		As per details given	
No	Date	Location of Peizo-well	F- mg/L
1	23.09.2024	CFL - colony	0.3
2	23.09.2024	Near 4 OP Gate	0.5
3	23.09.2024	Near 7 th gate	0.4
4	23.09.2024	CRC	0.4
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

For TEAM Labs and Consultants



Labs and Consultants

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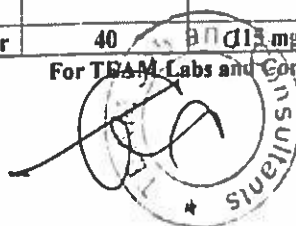
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TEST REPORT

Test Report No		TLC/V/Env/CIL/16/0924		dt.01.10.2024	
Description of Test		Source Emission Monitoring inside the CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		stacks attached to respective plants as per details given			
SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF SEPTEMBER-2024					
S.No	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	294385	Particulate matter	18	45 mg/NM ³
			Ammonia	70	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
2	Complex B	285151	Particulate matter	19	45 mg/NM ³
			Ammonia	82	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
3	Complex C	202349	Particulate matter	20	45 mg/NM ³
			Ammonia	52	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
4	Sulphuric acid plant-I	97903	Sulphur dioxide	0.42Kg/MT (260mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.032Kg/MT (20mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	26955	Sulphur dioxide	0.143Kg/MT (90mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-I	132864	Particulate matter	25	50 mg/NM ³
			Fluoride	3.9	20 mg/NM ³
7	Rock grinding unit (Old)	7346	Particulate matter	40	50 mg/NM ³
			Total Fluoride	4.3	20 mg/NM ³
8	Wharf Boiler	10797	Particulate matter	47	115 mg/NM ³
9	Phosphoric acid plant-2	37545	Particulate matter	29	50 mg/NM ³
			Total Fluoride	4.2	20 mg/NM ³
10	Rock grinding unit (New)	7067	Particulate matter	43	50 mg/NM ³
			Total Fluoride	3.1	20 mg/NM ³
11	New SAP-3	48990	Sulphur dioxide	0.05Kg/MT (60mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
12	DG1	11800	Particulate matter	42	115 mg/NM ³
13	DG2	12148	Particulate matter	40	115 mg/NM ³

For TEAM Labs and Consultants



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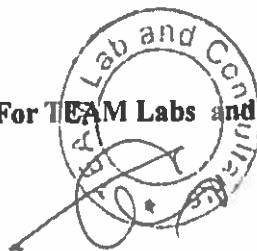
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TEST REPORT

Test Report No		TLC/V/Env/CIL/21/0924		dt.01.10.2024	
Description of Test		CIL Surrounding village wells-Ground water analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		Stations as per details given			
Date of Sample collection		23.09.2024			
NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony-1	7.7	Nil	0.2	Nil
2	Kamaladevi colony-2	7.4	Nil	0.3	Nil
3	Yeduruvanipalem-1	7.6	Nil	0.2	Nil
4	Yeduruvanipalem-2	7.5	Nil	0.3	Nil
5	Mulagada-1	7.4	Nil	0.3	Nil
6	Mulagada No.2	7.5	Nil	0.3	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

For TEAM Labs and Consultants



EHS/APPCB/2024-108

Dated:16/10/2024

To,

Inspector General of Forests

Ministry of Environment, Forest and Climate Change,

Integrated Regional Office, Vijayawada

Green House, Gopalareddy Road, Vijayawada - 520010, Andhra Pradesh

Dear Sir,

Sub: Submission of AAQMS online data for the last Six months, Coromandel International Limited, Visakhapatnam -Reg.

Ref: i) EC COMPLEX PAP (F.No. J-11011/388/2006-IA (II), Dated 18th May 2007

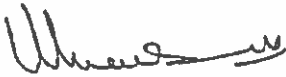
This is bringing to your kind information that in reference to the EC COMPLEX PAP (F.No. J-11011/388/2006-IA (II), dated 18th May 2007, we are pleased to submit the online data from the Ambient Air Quality Monitoring System (AAQMS) for the last Six months of the April to September 2024. The details are enclosed in the Annexure - I.

This is for your information & Records.

Thanking you,

Yours faithfully,

For **COROMANDEL INTERNATIONAL LIMITED**



Gnanasundaram M

Vice President & Head Manufacturing.


NAG/DNR

Enclosure: Annexure - I AAQMS online data for the last six months.



EHS/APPGB/2024-108

Dated:16/10/2024

To,

Inspector General of Forests

Ministry of Environment, Forest and Climate Change,

Integrated Regional Office, Vijayawada

Green House, Gopalareddy Road, Vijayawada - 520010, Andhra Pradesh

Dear Sir,

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Yours faithfully,

For **COROMANDEL INTERNATIONAL LIMITED**



Gnanasundaram M

Vice President & Head Manufacturing.


NAG/DNR

Enclosure: Annexure - I AAQMS online data for the last six months.

CAAQM Monthly Average (April - 2024 to September - 2024)																	Annexure-1			
APCB Limit	CAAQM - Maintenance Garage					CAAQM - Bagging - Plant					CAAQM - Shared Service Center									
	Limit 100	Limit 60	Limit 80	Limit 80	Limit 400	Limit 100	Limit 60	Limit 80	Limit 80	Limit 400	Limit 100	Limit 60	Limit 80	Limit 80	Limit 400	Limit 400				
	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³				
Parameters	PM10	PM2.5	SO2	Nox	NH3	PM10	PM2.5	SO2	Nox	NH3	PM10	PM2.5	SO2	Nox	NH3	NH3				
Apr'24	27.99	12.00	40.99	4.62	25.30	41.01	24.60	36.70	7.24	1.43	28.44	14.32	22.89	10.95	3.37	3.37				
May'24	20.82	12.22	23.93	4.49	26.21	47.44	20.71	40.27	6.94	1.42	25.67	10.50	23.78	9.69	3.85	3.85				
Jun'24	26.87	16.79	18.53	3.09	24.52	38.44	16.81	48.73	7.26	1.4	25.26	13.95	28.78	7.7	3.8	3.8				
Jul'24	35.95	17.48	19.68	2.39	22.2	68.58	22.19	34.76	8.58	3.71	27.72	103.36	28.08	6.96	3.11	3.11				
Aug'24	51.3	19.74	20.3	5.75	46.58	60.98	28.66	35.71	11.14	6.91	35.47	23.33	26.37	8.35	2.22	2.22				
Sep'24	48.26	17.06	22.28	6.53	46.98	46.08	21.90	39.34	11.79	6.87	45.25	31.52	29.87	9.69	2.77	2.77				
Average	35.20	15.88	24.29	4.48	31.97	50.42	22.48	39.25	8.83	3.62	31.30	32.83	26.63	8.89	3.19	3.19				

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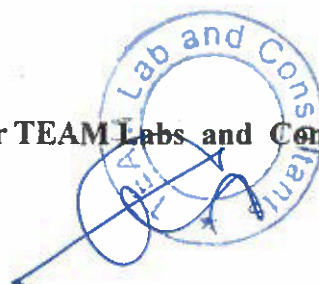
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TEST REPORT

Test Report No		TLC/V/Env/CFL/21A/0924	dt.01.10.2024
Description of Test		Peizo wells Water analysis	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Date of Sample collection		As per details given	
No	Date	Location of Peizo-well	F- mg/L
1	23.09.2024	CFL - colony	0.3
2	23.09.2024	Near 4 OP Gate	0.5
3	23.09.2024	Near 7 th gate	0.4
4	23.09.2024	CRC	0.4
		IS10500 Permissible limit	1.5
Protocol		SM 4500 F- D	

For TEAM Labs and Consultants



Registered Office :

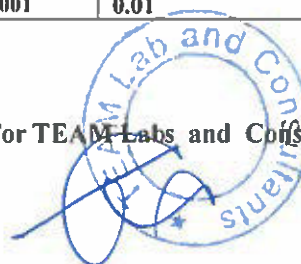
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986
NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/27/0924					dt.01.10.2024
Description of Test	Ground water analysis around CIL					
Name of the client	Coromandel International Limited, Visakhapatnam					
Location of sampling	As per details given					
Date of Collection	23.09.2024					
	Parameter	Rajakomal devicolony near Anjaneya temple	Rajakomal devicolony Near St Andrews School	Mulagada near Community hall	Mulagada near Ambedkar Statue	Desirable limit As per IS10500
1	pH	7.6	7.7	7.6	7.5	6.5-8.5
2	Colour Hazen units	3	3	2	3	5
3	Odour	Agreeable	Agreeable	Agreeable	Agreeable	unobjectionable
4	Taste	Not done	Not done	Not done	Not done	agreeable
5	Total Dissolved solids	580	780	650	770	500
6	Turbidity	2.6	2.2	2.5	2.7	1.0
7	Alkalinity as CaCO ₃	230	280	250	260	200
8	Arsenic as As	<0.001	<0.001	<0.001	<0.001	0.05
9	Boron as B	0.01	0.01	0.02	0.01	1.0
10	Cadmium Cd	<0.001	<0.001	<0.001	<0.001	0.01
11	Calcium Ca	80	120	80	136	75
12	Chlorides Cl-	130	195	150	210	250
13	Total Chromium Cr	<0.01	<0.01	<0.01	<0.01	0.05
14	Cyanide as CN	<0.01	<0.01	<0.01	<0.01	0.05
15	Fluoride	0.3	0.5	0.3	0.4	1.0
16	Total Hardness as CaCO ₃	330	460	320	490	200
17	Iron	0.04	0.06	0.07	0.06	0.3
18	Lead	0.008	0.007	0.007	0.005	0.05
19	Manganese	0.01	0.01	0.02	0.01	0.1
20	Magnesium	31.59	38.9	29.2	36.45	30
21	Mercury	<0.001	<0.001	<0.001	<0.001	0.001
22	Copper	0.001	0.001	0.001	0.001	0.05
23	Nitrate as NO ₃	8.0	29.0	12.5	24.4	45
24	Nitrite	Nil	Nil	Nil	Nil	Nil
25	Phosphates	<0.1	<0.1	<0.1	<0.1	-
26	Sulphates	95	102	122	105	200
27	Zinc	0.05	0.03	0.1	0.05	5.0
28	Aluminum	0.001	0.001	0.001	0.001	0.03
29	Mineral Oil	<0.1	<0.1	<0.1	<0.1	0.5
30	Phenolic compounds	<0.001	<0.001	<0.001	<0.001	0.001
31	Nickel	0.001	0.001	0.001	0.001	0.02
32	Selenium	<0.001	<0.001	<0.001	<0.001	0.01

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

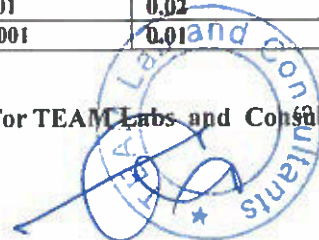
Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/28/0924			dt.01.10.2024
Description of Test		Ground water analysis around CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As per details given			
Date of Collection		23.09.2024			
	Parameter	Yeduruvanipalem near HZL compound wall	Yeduruvanipalem near Ambedkar statue	Kodipandal adibba near Anganwadice ntre	Desirable limit As per IS10500
1	pH	7.6	7.5	7.5	6.5-8.5
2	Colour Hazen units	4	4	3	5
3	Odour	Agreeable	Agreeable	Agreeable	unobjectionable
4	Taste	Not done	Not done	Not done	agreeable
5	Total Dissolved solids	250	710	640	500
6	Turbidity	2.5	2.6	2.9	1.0
7	Alkalinity as CaCO ₃	90	190	215	200
8	Arsenic as As	<0.001	<0.001	<0.001	0.05
9	Boron as B	0.01	0.01	0.01	1.0
10	Cadmium Cd	0.01	0.01	<0.001	0.01
11	Calcium Ca	32	80	92	75
12	Chlorides Cl-	50	140	145	250
13	Total Chromium Cr	<0.01	<0.01	<0.01	0.05
14	Cyanide as CN	<0.01	<0.01	<0.01	0.05
15	Fluoride	0.15	0.3	0.3	1.0
16	Total Hardness as CaCO ₃	90	280	310	200
17	Iron	0.04	0.04	0.06	0.3
18	Lead	0.01	0.012	0.005	0.05
19	Manganese	0.02	0.02	0.02	0.1
20	Magnesium	2.4	19.4	19.4	30
21	Mercury	<0.001	<0.001	<0.001	0.001
22	Copper	0.001	0.001	0.001	0.05
23	Nitrate as NO ₃	14.0	9.0	17.0	45
24	Nitrite	Nil	Nil	Nil	Nil
25	Phosphates	<0.1	<0.1	<0.1	-
26	Sulphates	35	120	115	200
27	Zinc	0.05	0.09	0.05	5.0
28	Aluminum	0.001	0.001	0.001	0.03
29	Mineral Oil	<0.1	<0.1	<0.1	0.5
30	Phenolic compounds	<0.001	<0.001	<0.001	0.001
31	Nickel	0.001	0.001	0.001	0.02
32	Selenium	<0.001	<0.001	<0.001	0.01

For TEAM Labs and Consultants



Annexure - 4











EHS/APP/CB/2024-113

Dated: 28/10/2024

To

The Member Secretary
Andhra Pradesh Coastal Zone Management Authority
(APCZMA), D.No.33-26-14 D/2, Near Sunrise Hospital,
Chalamavari Street, Kasturibaipet, Vijayawada-520010.

SUB: Submission of the CER/CSR Report for the period of April 2024 to September 2024

Ref: EC number F. No. 11-35/2015-IA-III, Dated 27 June 2017

Dear Sir,

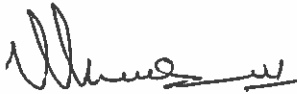
This has reference to above mentioned subject, we are submitting the detailed report of CSR/CER activities carried out by Coromandel International Limited, Vizag during the period from April 2024 to September 2024.

We recognize the importance of sustainable business practices and are committed to making a positive impact on society and the environment.

The above submission is in line with EC compliance & Record please.

Thanking you,

Yours faithfully,
For **COROMANDEL INTERNATIONAL LIMITED**



Gnanasundaram M
Vice President & Head Manufacturing.

NAG
NAG/DNR

Enclosure: CSR/CER Report

<Dial 18002666868> <Wear Masks. Stay Safe>
RN541808665IN IVR:8278541808665
RL MALKAPURAM S.O <530011>
Counter No:1.29/10/2024.11:23
To:THE MEMBER SE.D NO 33-26-14 D/
PIN:520010. Venkateswarapuram S.O
From:COROMANDEL .POST BOX NO 1116
Wt:78gms.REG=17.0
Amt:43.66.Tax:6.66.Amt.Paid:44.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks. Stay Safe>

EHS/APPCB/2024-113

Dated: 28/10/2024

To

The Member Secretary
Andhra Pradesh Coastal Zone Management Authority
(APCZMA), D.No.33-26-14 D/2, Near Sunrise Hospital,
Chalamavari Street, Kasturibaipet, Vijayawada-520010.

SUB: Submission of the CER/CSR Report for the period of April 2024 to September 2024

Ref: EC number F. No. 11-35/2015-IA-III, Dated 27 June 2017

Dear Sir,

This has reference to above mentioned subject, we are submitting the detailed report of CSR/CER activities carried out by Coromandel International Limited, Vizag during the period from April 2024 to September 2024.

We recognize the importance of sustainable business practices and are committed to making a positive impact on society and the environment.

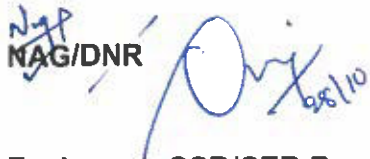
The above submission is in line with EC compliance & Record please.

Thanking you,

Yours faithfully,
For **COROMANDEL INTERNATIONAL LIMITED**



Gnanasundaram M
Vice President & Head Manufacturing.


NAG/DNR

Enclosure: CSR/CER Report

CSR initiatives Report

April 2024 to Sep 2024

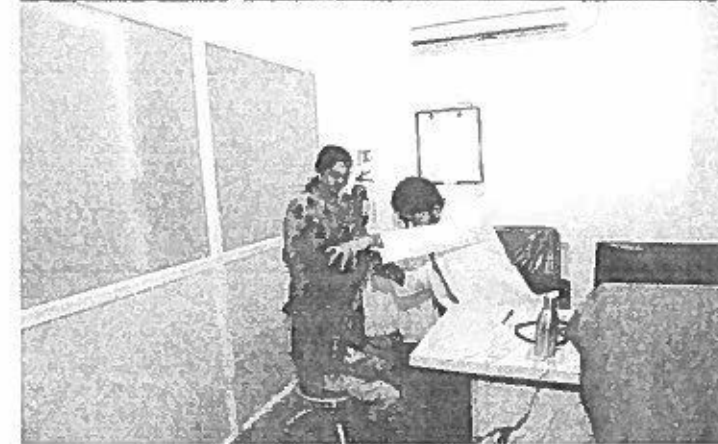
Approved Vs Spent– 24-25

S.No	Domain	Spent Budget
1	Health	25.20
2	Education	26.23
3	Community development	10.68
Total		62.11

April 2024 to Sep 2024

Coromandel Medical center

Sl No	Name of the Month	No of benefitted
1	April	2439
2	May	1906
3	June	2589
4	July	2410
5	Aaugust	2589
6	Sep	2365
	Total	14298



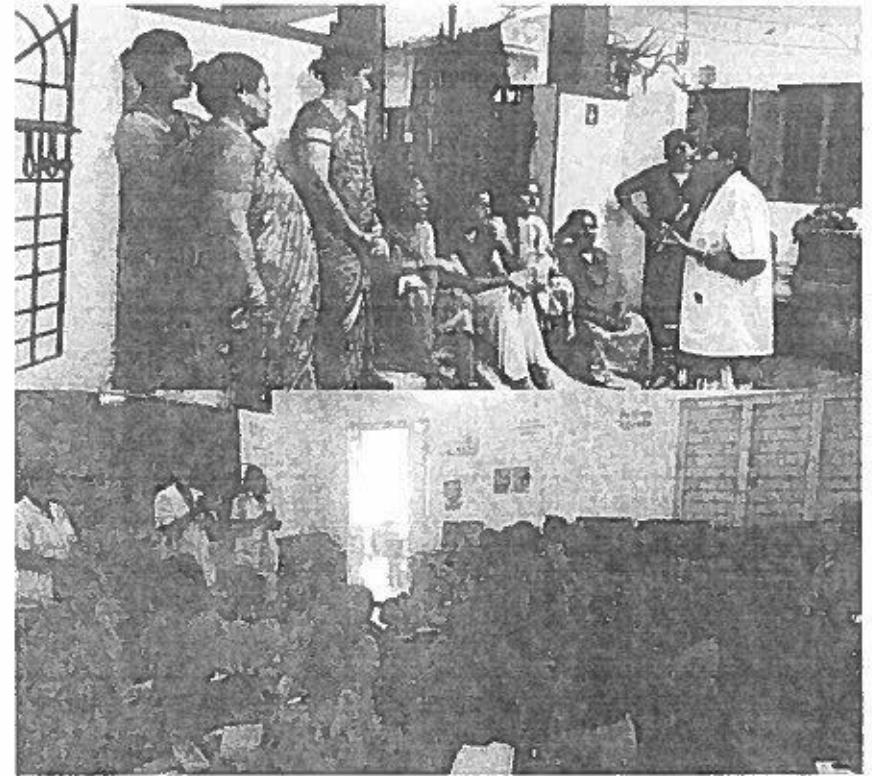
Dental screening service inauguration @CMC

- the Dental Screening Services at our CMC was inaugurated by our President & CHRO, Shri Arun Leslie George. Mr. Gnanasundaram, Vice President & Head - Mfg; Mr. GSV Raja, AVP & Head of HR; the Unit HR Head; and the Senior Leadership Team participated along with local community at CMC.
- During the event, they provided a comprehensive briefing on the CMC services, engaged with community members, and distributed tailoring kits to women to support and enhance their livelihoods. Additionally, we presented furniture to the community halls to benefit local residents. The community members were deeply moved by these contributions, and the CHRO expressed his appreciation for the CSR initiatives led by the Vizag Unit
- **Initiative on 22nd Aug 2024**



Integrated Behavioral change communication

- Comprehensive Health Outreach project aimed at strengthening local health resources and improving health outcomes in our community. The project will leverage local community structures and ambassadors for health outreach, focusing on diseases such as Tuberculosis, vector-borne diseases, Diabetes Mellitus, Hypertension, menstrual health, and adolescent health education.
- No of Beneficiaries April 2024 to Sep 2024: **28460**



Computer Lab Inaugurated By District Collector

- On 26th Sept 2024, Vizag Unit has inaugurated Computer lab as part of CSR Project towards enhancing education and digital literacy of the nearby Community students.
- Shri M. N. Harendhira Prasad, IAS – Collector & District Magistrate – Visakhapatnam in presence of Shri R. V Ramana – Regional Deputy Director - Zone 1 – Visakhapatnam, Shri B. Narasimha Patrudu – 65th Ward Corporator – GVMC & Mr. SrinivasaRao- Principal, ITI-Gajuwaka has inaugurated the Computer Lab at Pedagantyada, Gajuwaka Govt Model ITI. Vice President & Unit Head, Head CSR and DGM HR
- 80 Nos of Blankets to ITI Hostel Students have been distributed by Honorable Collector.

Benefitted **900** ITI Students



Science lab Inaugurated By TDP State President

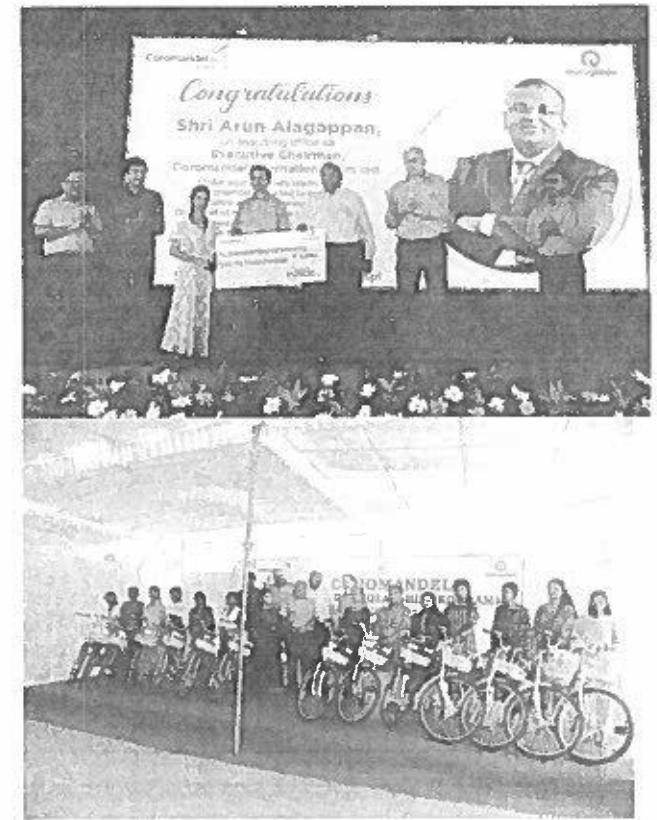
- Shri Palla Srinivasa Rao – TDP State President & MLA Gajuwaka Constituency along with Mrs. L Chandrakala – District Educational Officer, Mr. P Srinivasa Rao – 65th Ward Corporator has inaugurated the Science Lab at ZP High School on 26th Sep 2024
- Mr. Gnanasundaram – VP & unit head along with Mr. JayaGopal Chathur- Head CSR & Mr. Srinivasa Rao – DGM – HR participated
- Shri Palla Srinivasa Rao in his address has thanked the Coromandel management for recognizing the need of the students and appreciated Vizag Unit for its passion towards executing projects in the field of Education and Community development

Benefitted **1600** school children



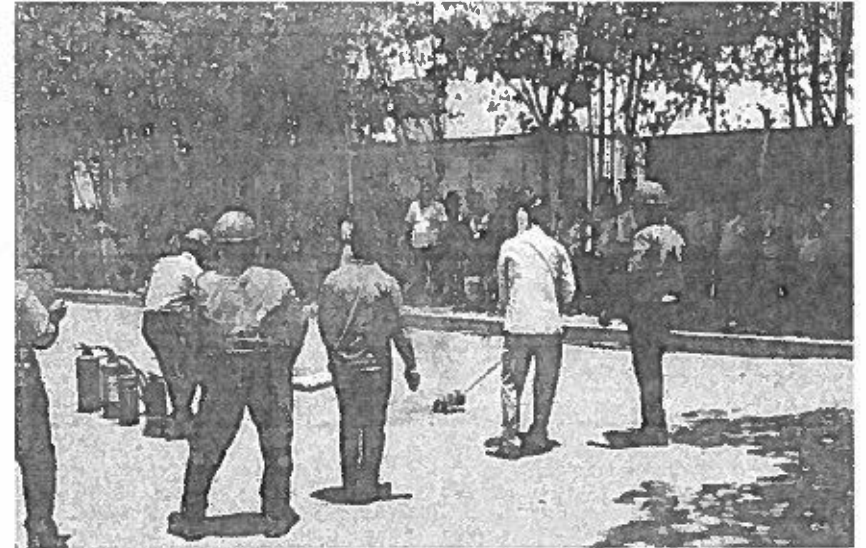
Girlchild Scholarship Distribution

- Organised Coromandel Girlchild Scholarship
- The Program Chief guest Executive Chairman Shri Arun Alagappan and senior leadership
- Total 79 scholarship we provided 22 Bicycles
- Children and parents felt very happy



National Fire Safety Week

- As part of National Fire Safety Week Coromandel conducted Awareness sessions and Fire equipment's demo session at ZP High school Mindi.
- Total 125 children & teachers got benefited.
- Prize distribution also done by the Coromandel officials



Infra Support to the Govt. Schools

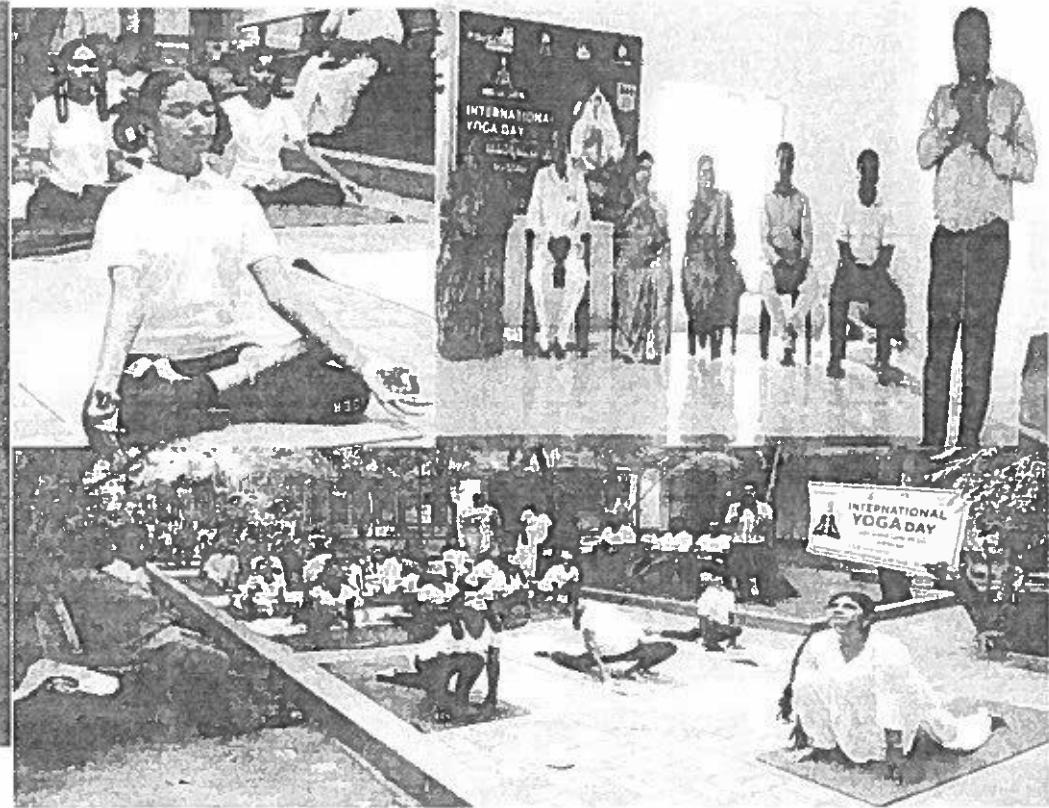
- We handed over tables, almirahs and chairs to 5-GVMC Primary School, 4 Govt High schools and 5-Anganwadi Centre's to enhance infrastructure facilities.
- Teachers & Community Members participated and expressed their gratitude to Coromandel.

1. Chairs
2. Tables
3. Almirah



International Yoga Day Celebrations 21st June 2024

- Coromandel organized International Yoga Day on June 21, 2024, at ZP High School, Mindi.
- where 150 children participated. Another Yoga Day celebration occurred at Pilakavanipalem Community, with 78 women participated
- The event aimed to increase awareness of the advantages of engaging in yoga and to foster its comprehensive approach to promoting health and well-being.
- The event was implemented by Pathriji Pyramid Spiritual Trust, Visakhapatnam.



Teachers' day celebrations

- We organized Teacher's Day celebrations on September 5, 2024, at CRC.
- A total of 110 teachers participated in the event, which was attended by Chief Guests Mandal Revenue Officer (MRO) Mrs. Tarakeswari Garu, Head HR R. Srinivasarao Garu and the Coromandel Ladies Association (CLA).
- Mr. Balaji garu explained and aware school First Aid Kit, school safety awareness. Felicitated 12 best teachers
- The program was successfully completed. Our COO Mr. Amir Alvi and Unit Head Mr. Gnanasundaram also participated in the event, offering their encouragement and best wishes to all the teachers.

MEO, teachers and the MRO were very pleased to attend the event and expressed their appreciation to Coromandel Management.



Honourable Governor of AP has given an appreciation award to Coromandel

- The District Administration Organised Divya kala Mela at AU marine Ground Visakhapatnam on 19th Sep 2024.
- Honourable Governor of AP has given an appreciation award to Coromandel international Limited in recognition for providing wheel chairs to physically challenged persons in the presence of Honourable Union minister of social justice and empowerment Dr.Veerndher Kumar guest of honor,I, Mr Bharath Member of parliament Visakhapatnam.Mr.Baburao Rajyasabha and District collector & Magistrate Shri Harendhira Prasad
- The award has been received by VP & Head Manufacturing M Gnanasundaram, Head CSR Jayagopal and Head HR Srinivasarao



Women Livelihood stall 21st Sep 2024

- MD sir Visited & Observed the Community women stall like jute bags/jewellery making/Margam design and Beauty parlour, and MD sir appreciated women livelihood project.
- Total selling 3800/-Jute bags and Jewellery materials



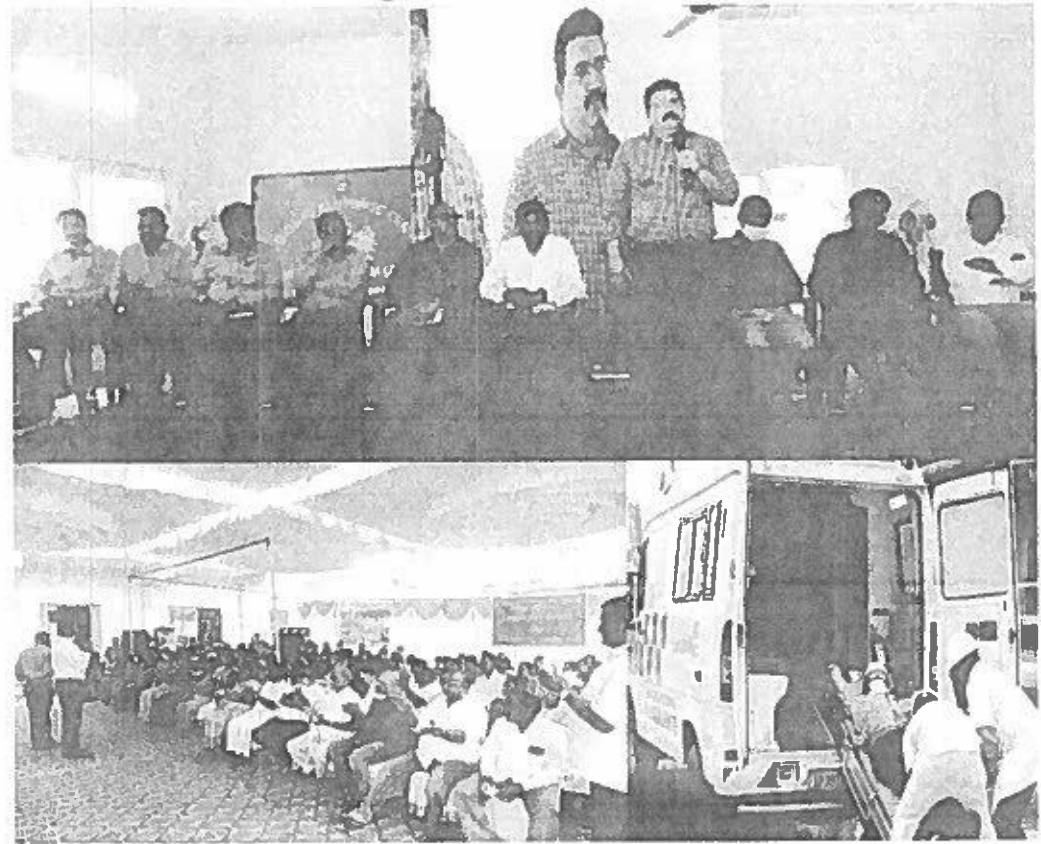
Women Livelihood Training Certificate Ceremony

- As part of Community development Coromandel initiated Women livelihood trainings.
- Like Maggam work, Jute bag work, Handmade jewellery, Beautician course trainings
- And 4 batches we trained total 120 women.
- Distributed Certificates and training kits to the all women
- 1st April 2024



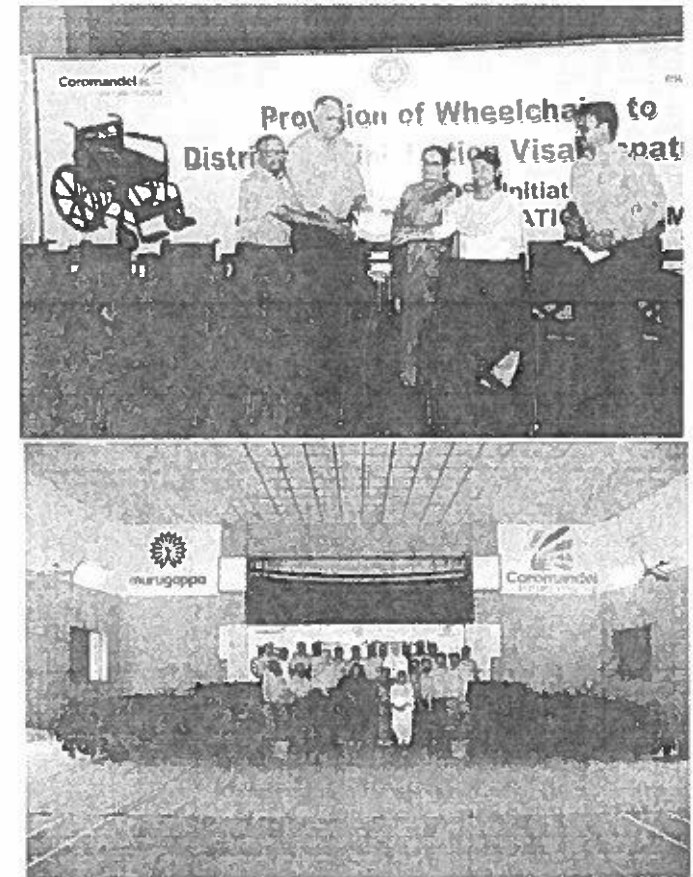
Offsite Mock drill @ Pilakavanipalem

- We Organised Offsite Mock drill on 28th June 2024 at Pilakavanipalem village.
- Participated District Authorities and the factories department officials commended our efforts towards a successful demonstration in our systematic emergency preparedness and capabilities.
- Total participated village peoples 250



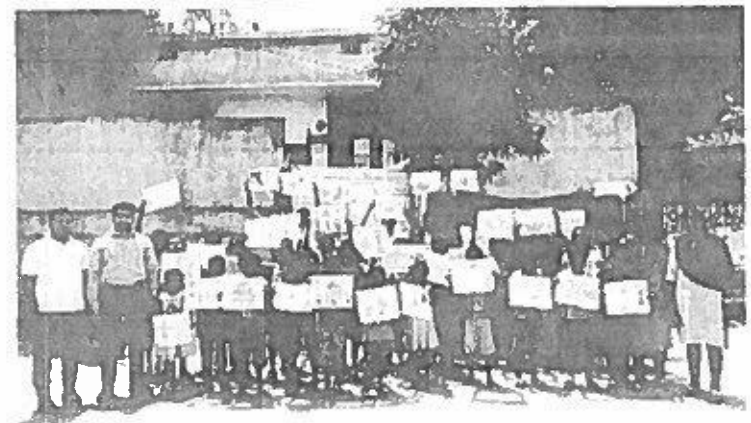
Wheelchairs Hand overing to District Administration

- The handing over ceremony took place at our Coromandel Recreation Centre in Visakhapatnam Manufacturing Unit, where we honoured to have esteemed guests Mrs. Ramamani, Assistant Director of Industries, and Ms. Sunita, Industrial Promotion Officer in presence of Mr. Amir Alvi, President & Head of Manufacturing, along with Mr. M. Gnanasundaram, HODs and representatives from our HR department.
- the 100 Wheelchairs were branded with Coromandel logo and post-election, they will be used in the Public Health Centres.



World Environment Day Celebrations 5th June-2024

- As part of our CSR initiative for World Environment Day,
- we organized celebrations at Mulagada and Yedurivanipalem to mark the occasion, saplings
- were planted on the Mukhyamantri Arogya Kendra premises with the participation of our employees and Hospital staff to foster eco-friendly practices
- and raise awareness, cloth bags were distributed to the community members
- And also we Organised Drawing competition on environment day related to community Children at Yedurivanipalem.



Eco Vizag cloth bags launched by GVMC Commissioner

- Coromandel's social responsibility initiatives are inspiring," said GVMC Commissioner Sampath Kumar. "The use of cloth bags for saving the environment is very important. The commissioner inaugurated 30,000 bags under the 'Swach Sarvekshana 2024 ECO Vizag' initiative by Coromandel Fertilizers in his chamber. In this regard, Coromandel's Vice President M. Gnanasundram first presented a flowering tree and congratulated him.
- As part of their social responsibility, they are giving 15,000 bags to GVMC, and the remaining will be distributed for free to the public in various markets and the city. Speaking on this occasion, the commissioner expressed his determination to make Vizag the cleanest city in the country for Swach Sarvekshana 2024. He emphasized the importance of public collaboration and the need to raise awareness among people to use environmentally friendly products, praising Coromandel for providing these bags. The event was attended by Coromandel Head HR R. Srinivasa Rao, Senior Manager HR K. Srikant, PR Consultant U. S. Sharma and me.



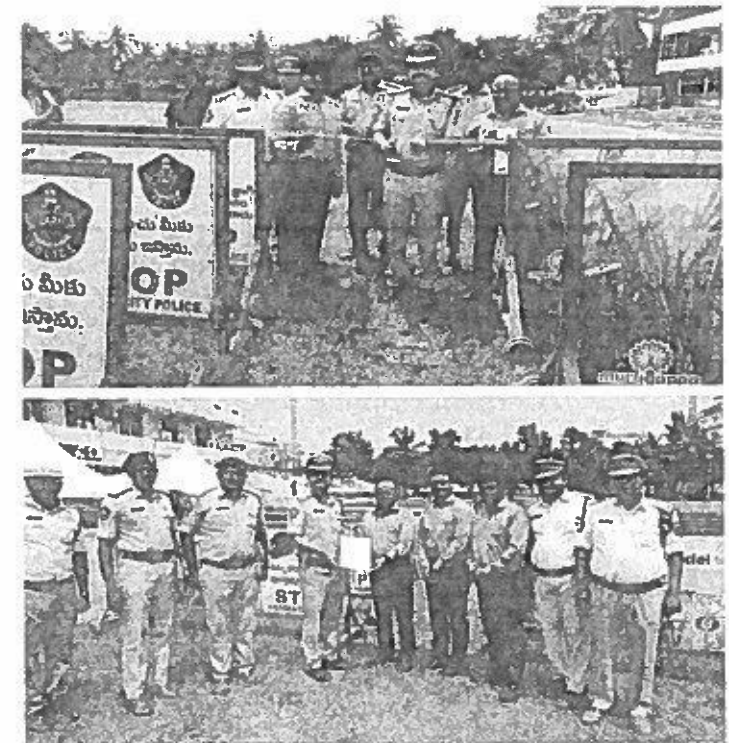
World Breastfeeding week

- we Organised world Breastfeeding celebration Month in August, our CMO Dr. Uday and field Health workers delivered an informative health talk to community breastfeeding mothers, emphasizing the significance of breastfeeding in providing optimal nutrition, boosting the immune system, and promoting mother-child bonding
- 1.Importance of breastfeeding for optimal growth and development
- 2.Essential diet and nutrients for mothers to produce high-quality breast milk:
- 3. Balanced meals rich in whole foods
- 4.Hydration and electrolyte intake
- 5.Foods that support lactation (e.g., oats, fenugreek)
- 6.Potential risks of not breastfeeding:
- 7.Hampered growth and development
- 8.Delayed uterus involution (return to pre-pregnancy size)
- 9.Increased risk of infections and diseases
- Dr. Uday addressed various questions and concerns raised by the community, providing clarity and reassurance on common issues. This empowered the community with knowledge and confidence to embrace breastfeeding and ensure the best possible start for their little ones
- **Initiative in August 2024 no of beneficiaries : 30**



Road Safety barricades Handed over to Commissioner of Police Visakhapatnam

- 50 road safety barricades have been handed over by Mr M Gnanasundaram Vice president & Head Mfg. Coromandel international limited to Shri Shanka brata Bagchi, Commissioner of police Visakhapatnam
- Our Head HR Mr. R Srinivasa Rao garu, Circle inspectors Mr.Koteswarao garu from Gajuwaka, Sub inspector Mr. Apparao garu from Malkapuram and Deputy Manager-CSR Mr. S Venkataramana have participated in the program.
- Unit Head Explained about the CSR initiatives and Public Relations which includes modernization of Police fitness Centre, Renovation of Malkapuram Police Station etc. Also explained about the rigorous safety standards followed at Coromandel and shared the proud moment of achieving Prestigious International safety award of 'Sword of Honour' from British Safety Counsel, United Kingdom.
- Commissioner of Police appreciated our Coromandel management for extending the support to the society.
- Initiative on 12th Aug 2024



Support to the Anganwadi's by Coromandel Ladies Association

- Our Coromandel Ladies Association visited the Anganwadi centre at Mulagada Village
- Handed over essential materials to enhance their facilities.
- Additionally, we established a Nutrition garden to support their needs
- Teachers, Parents and ICDS Supervisor Ms. Varalakshmi felt very happy ,Total benefitted children is 20.



Library for children supported by CLA

- Coromandel Ladies Association donated to Library Cupboards & Books to ZP High school Mindi
- Library set up handed overed by MD sir & COO sir
- Children & Teachers felt very happy

Total children Benefitted: 684



**Employees
volunteerism**

Month	No. Of Employees	Voluntary Hours	CLA	Voluntary Hours
Apr-24	33	91	10	15
May-24	18	18	0	0
Jun-24	44	124	7	14
Jul-24	12	26	10	10
Aug-24	43	80	13	26
Sep-24	46	77	10	20

EHS/MoEF/2023-097

01/12/2023

To
The Director,
Regional Office (South Eastern Zone)
Ministry of Environment, Forests and Climate Change
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034

Dear Sir,

Sub: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Ref: 1. F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021
3. F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P2O5 and other auxiliary facilities within the existing Fertilizer Complex.

Period of submission : Apr'23 to Sep'23
Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg


Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 01 December 2023 17:20
To: eccompliance-ap@gov.in; rovspappcb@gmail.com; zovspappcb
Cc: EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Half Yearly EC (Environment Clearance) Compliance Report- regd.
Attachments: EC Compliance PA SA EXPANSION Apr-23 to Sep -23.pdf

Dear Sir,

Ref: 1. F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021
3. F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P2O5 and other auxiliary facilities within the existing Fertilizer Complex and "Change in location of new 1500 MTPD Sulphuric Acid (100%) Plant within the existing fertilizer complex" and "to add Desalination Plant with Capacity of 15 MLD".

Period of submission : Apr'23 to Sep'23
Unit : Coromandel International Limited, Visakhapatnam

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE


Coromandel
FUTURE POSITIVE
Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam-530 011
Andhrapradesh, India.
F: +91 891-2578400
W: www.coromandel.biz
A MURUGAPPA GROUP COMPANY

Coromandel International Limited, Visakhapatnam

Compliance status of Environment clearance

1. F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021
3. F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022

(For the period from Apr-2023 to Sep-2023)

Enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P_2O_5 and other auxiliary facilities within the existing Fertilizer Complex, Sriharipuram, Vishakhapatnam District, Andhra Pradesh by M/s Coromandel International Limited (Formerly M/s. Coromandel Fertilizer Limited) - Environmental Clearance –reg.

S.No.	Condition	Compliance
A. Specific Conditions:		
i.	Green Belt of 10 M wide (Perennial trees) to be developed in three sides of plant periphery totaling 145 acre area.	The existing green belt area is more than 33% of the requirement. However, the plantation efforts will be continued.
ii.	The present fresh water requirement is 8700 m ³ /day. Additional fresh water for the proposed enhancement is to be limited to 1650 m ³ /day. The total fresh water requirement post enhancement shall not exceed 10350 m ³ /day. The present sea water requirement for once through cooling is 63000 m ³ / day and the same will be increased post enhancement to 84600 m ³ / day.	Agreed. The project is completely implemented. The new water balance is limited to 10350 m ³ /day.
iii.	No ground water shall be used.	Existing water source is GVMC (local Municipal Body), no ground water source is used.
iv.	Post enhancement, the SO ₂ emissions from Sulphuric acid plant-I and sulphuric acid plant-2 shall be maintained at 1 kg/MT and 0.65 kg/ MT.	Noted & maintained
v.	Imported coal/ rice husk/bagasse fired boiler of 40 TPH will be installed with ESP and 56 m stack height with SO ₂ emissions limited to 1188 Kg/ day.	Complied.
vi.	Existing two nos of LSHS fired boilers will be	LSHS Fired boilers on standby only.

Coromandel International Limited, Visakhapatnam

	kept on standby mode.	
vii.	The gaseous emissions (SO ₂ , NO _x , NH ₃) and particulate matter from various process units shall conform to the norms prescribed by the CPCB/SPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly.	<p>Complied.</p> <p>All the stacks are provided/attached with Scrubbers as detailed below:</p> <p>SAP Plants: Alkali scrubbers PAP Plant: Fumes scrubber & FRU unit Complex Stacks: 4 stage scrubbers New PAP units: Scrubbers kept in place. Ball Mill: Bag Filters kept in inline Coal Fired Boiler: ESP kept in Line. The emissions are maintained within the prescribed limits by CPCB/SPCB.</p>
viii.	Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16 th September, 2009. The levels of PM ₁₀ , SO ₂ , NO _x , Ammonia, shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the concerned State Pollution Control Board (SPCB).	Complied
IX.	No process effluent shall be discharged in and around the project site. Process effluents shall be treated in ETP. Sewage shall be treated in STP. Both treated sewage water and process effluents shall be recycled/reused within factory premises to achieve zero discharge except during the rainy season.	<p>All the process effluent is being treated in ETP.</p> <p>Sewage treated in STP and treated water is being used for plantation</p>
x.	Risk assessment plan to be prepared and implemented.	complied
xi.	In plant control measures for checking fugitive emissions from all the vulnerable sources shall	Complied.

Coromandel International Limited, Visakhapatnam

	be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions should conform to the limits stipulated by the concerned SPCB.	All the necessary precautions for closed transport of raw materials and operations will be implemented for limiting of fugitive emissions. Emissions are maintained within CPCB/SPCB prescribed limits.
xii.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	DGs are only in standby and acoustic enclosure provided.
xiii.	The company shall construct the garland drain all around the project site to prevent runoff of any chemicals containing waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	Garland drains have been provided. Effluent is being treated in ETP
xiv.	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes. Measures shall be taken for firefighting facilities in case of emergency.	Complied. CFO has been obtained Order No. APPCB/VSP/65/CFO/HO/1967 - 30/09/2022
xv.	The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.	Complied
xvi.	Spent catalysts and used oil shall be sold to authorized recyclers /re-processors only. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA),1989.	Complied. As per the existing procedure, respective wastes are sent to authorized recyclers/PCB approved TSDFs.
xvii.	The company shall strictly follow all the recommendations mentioned in the Charter on	Complied

Coromandel International Limited, Visakhapatnam

	Corporate Responsibility for Environmental Protection (CREP).	
xviii.	All the commitments made during the Public Hearing/Public Consultation meeting held on 8th December, 2016 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Noted and being followed.
xix.	Remote operated valve placed on NH3 line to avoid leakage/equipment check shall be performed to ensure that remote operated valve (ROV) is all time is functional.	Complied and PM schedule adhered
xx.	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	CSR expenditure is being spent as per the 5% of the project cost.
XXI.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Complied and continued as per the factories act.
xxii.	Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	Complied.
xxiii.	An Environment Cell will be set. up and a regular environmental manager having PG qualification in environmental sciences/environmental engineering to be appointed for looking after the environmental management practices in the plant.	Environmental Management Cell is presently headed by AGM-EHS and is supported by environmental manager.
	B. GENERAL CONDITIONS:	
i.	The project authorities must strictly adhere to the stipulations made by the state Pollution	Agreed.

Coromandel International Limited, Visakhapatnam

	Control Board (SPCB), State Government and any other statutory authority.	
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed.
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. There are two monitoring locations one in upwind and one in down wind direction, towards, Mulagada & Gullapalem.
iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	It is being Complied. Find enclosed Annexure-01 Environment monitoring reports for your reference.
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied and noise levels are within the standards prescribed. Find enclosed Annexure-01 Environment monitoring reports for your reference.
vi.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	complied
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular	Training is being imparted regularly to employees. Pre employment medical check is part of HR policy before joining. Annual medical checkup is being

Coromandel International Limited, Visakhapatnam

	basis. Training to all employees on handling of chemicals shall be imparted.	undertaken regularly for all the employees.
viii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied
ix.	The company shall undertake all relevant measures for improving the socio-- economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied as per the submitted CSR plan
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied as per the submitted CSR plan
xi.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environmental Management Cell is presently headed by AGM-EHS. In house laboratory is in place to monitor emissions & effluent.
xii.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Complied
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	complied
xiv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data	Complied

Coromandel International Limited, Visakhapatnam

	(both in hard copies as well as bye-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	
xv.	The environmental statement for each financial year ending 31st March in Form-Vas is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	<p>Complied and environmental statement for FY:2022-23 has been submitted on 28.09.2023.</p> <p>Find enclosed Annexure-02 Form-V acknowledgement copy for your reference.</p>
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied
xvii.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied

Coromandel International Limited, Visakhapatnam

Compliance to Amended Environmental Clearance dated 07.01.2021

F. No. J-11011/51/2016-IA-II (I) dt 7th January 2021

Proposed setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited).

Sl. No	Para of EC issued by MoEF&CC	Description/Conditions	Compliance
1	Subject	Proposed setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited).	-
2	Point 2	The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for <u>setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited)</u>	-
3	Point 3	Existing land area is <u>313 Acres</u> , of which 120 acres is developed as greenbelt. <u>Additional cost of the project is ~ 400 Crore.</u> The additional estimated cost of various environmental management programs in the proposed project is ~ 10 Cr which is	Agreed and noted for compliance

Coromandel International Limited, Visakhapatnam

		<p>around 2.5% of proposed Additional project cost. <u>In order to achieve consented production of 3900 MTPD NP/NPK production, the facility intends to adopt the following modifications and upgrades in the upstream of the complex fertilize manufacturing units:</u></p> <ul style="list-style-type: none"> • Installation of Additional 1500 MTPD of Sulphuric Acid production plant along with existing 2100 MTPD Sulphuric Acid Plant (SAP-1 (1700 MTPD) & SAP2 (400 MTPD)). Total production capacity of Sulphuric acid shall be 3600 MTPD • Use of low sulphur coal in coal fired boiler and optimizing operations of existing sulphuric acid plant – I and coal fired boiler for no change in SO₂ emission from the sanctioned emission load. • Existing Phosphoric acid plant with production capacity of 1400 MTPD • Provision of Sulfuric Acid storage capacity of 2 x 5000 MT + 2 X 12,500 MT +1500 MT along with existing storage capacity of 15,000 MT 	
4	Point 4	<p>Power requirement will be increased from <u>20 MW to 21 MW</u>. The facility has contracted grid power of 12 MW, 5 MW from APGPCL and in-house steam turbine capacity of 5MW. The net available power for the existing operation is in the order of 22 MW. Hence the available power is adequate to meet the total requirement of <u>21 MW</u> post enhancement.</p>	Agreed
5	Point para3 4	<p>Fresh water requirement will be increased from 10350 m³/day to 14550 m³/day, which will be sourced from Greater Vishakhapatnam Municipal Corporation (GVMC). Sea water consumption will be same i.e 84600 m³/ day.</p>	Agreed and noted for compliance

Coromandel International Limited, Visakhapatnam

6	A-Specific Condition 1	Green Belt of 10 M wide (Perennial trees) to be developed in three sides of plant periphery totaling <u>120 acre area</u> .	Agreed. The existing green belt area is more than 33% of the requirement. However, the plantation efforts will be continued.
7	A-Specific Condition 1	The present freshwater requirement is <u>10350 m3/day</u> . <u>Additional fresh water for the proposed enhancement will be 4200 m3/day</u> . <u>The total freshwater requirement post enhancement shall not exceed 14550 m3/day</u> . The present sea water requirement for once through cooling will remain to be <u>84600 m3 / day</u> .	Agreed
8	A-specific Condition 4	Post amendment, the SO2 emissions from Sulphuric acid plant-1 and sulphuric acid plant-2 shall be maintained at 0.8 kg/MT and 0.65 kg/ MT and in Sulphuric Acid Plant-3 shall be maintained at 0.75 kg/MT.	Noted. These are applicable only after the capacity enhancement through the addition of Sulphuric Acid Plant -3 in which the SO2 shall be maintained at 0.75 kg/MT. We have already requested to accord a line of confirmation in this regard.

Registered Office :

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CFL/20/0423

dt.02.05.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Near Warf

Date of Collection: As per details Given

Analysis Report for the Month of APRIL-2023

Date of monitoring	Time	PM _{2.5} Limit 60 µg/m ³	PM ₁₀ Limit 100 µg/m ³	SO ₂ Limit 80 µg/m ³	NO _x Limit 80 µg/m ³
26.04.2023 To 27.04.2023	09.00 to 09.00 hrs	36	78	14.0	19.4

All values are given in µg/m³

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

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TEST REPORT

Test Report No.TLC/V/Env/CFL/20/0523

dt.01.06.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL
Name of the client: Coromandel International Limited, Visakhapatnam
Location of sampling: Near Warf
Date of Collection: As per details Given

Analysis Report for the Month of MAY-2023

Date of monitoring	Time	PM _{2.5} Limit 60 µg/m ³	PM ₁₀ Limit 100 µg/m ³	SO ₂ Limit 80 µg/m ³	NO _x Limit 80 µg/m ³
25.05.2023 To 26.05.2023	09.00 to 09.00 hrs	38	85	15.7	20.4

All values are given in µg/m³

For TEAM Labs and Consultants



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TEST REPORT

Test Report No.TLC/V/Env/CFL/20/0623

dt.01.07.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Near Warf

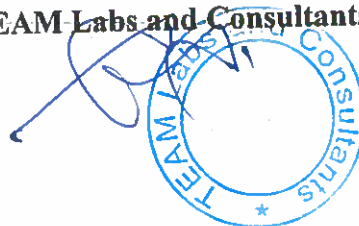
Date of Collection: As per details Given

Analysis Report for the Month of JUNE-2023

Date of monitoring	Time	PM _{2.5} Limit 60 µg/m ³	PM ₁₀ Limit 100 µg/m ³	SO ₂ Limit 80 µg/m ³	NO _x Limit 80 µg/m ³
28.06.2023 To 29.06.2023	09.00 to 09.00 hrs	40	88	16.2	22.8

All values are given in µg/m³

For TEAM Labs and Consultants



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TEST REPORT

Test Report No.TLC/V/Env/CFL/20/0723

dt.01.08.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Near Warf

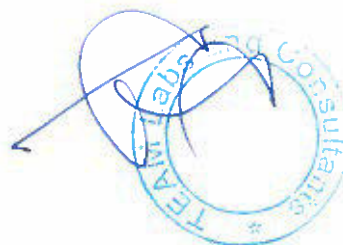
Date of Collection: As per details Given

Analysis Report for the Month of JULY-2023

Date of monitoring	Time	PM _{2.5} Limit 60 µg/m ³	PM ₁₀ Limit 100 µg/m ³	SO ₂ Limit 80 µg/m ³	NO _x Limit 80 µg/m ³
28.07.2023 To 29.07.2023	09.00 to 09.00 hrs	36	80	14.2	16.8

All values are given in µg/m³

For TEAM Labs and Consultants



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NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CFL/20/0823

dt.01.09.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Near Warf

Date of Collection: As per details Given

Analysis Report for the Month of AUGUST-2023

Date of monitoring	Time	PM _{2.5} Limit 60 $\mu\text{g}/\text{m}^3$	PM ₁₀ Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
29.08.2023 To 30.08.2023	09.00 to 09.00 hrs	44	90	16.8	21.4

All values are given in $\mu\text{g}/\text{m}^3$

For TEAM Labs and Consultants



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TEST REPORT

Test Report No.TLC/V/Env/CFL/20/0923

dt.03.10.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Near Warf

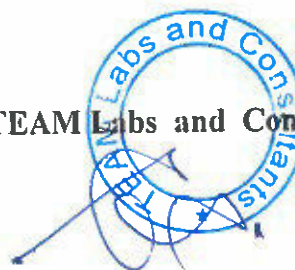
Date of Collection: As per details Given

Analysis Report for the Month of SEPTEMBER-2023

Date of monitoring	Time	PM 2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM ₁₀ Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
30.09.2023 To 01.10.2023	09.00 to 09.00 hrs	35	78	12.2	15.8

All values are given in $\mu\text{g}/\text{m}^3$

For TEAM Labs and Consultants



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TEST REPORT

Test Report No.TLC/V/Env/CIL/12/0423

dt.02.05.2023

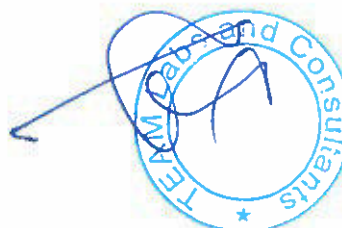
Description of Test: Ambient Air quality Monitoring inside the CFL
Name of the client: Coromandel International Limited, Visakhapatnam
Location of sampling: Stations as per details given
Period of Monitoring : For the Month of APRIL-2023

Summary of Ambient Air quality Monitoring Data for the Month of APRIL-2023

Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	30	36	34
	Maximum	41	42	43
	98%tile	41	42	43
	Average	37	39	39
PM 10	Minimum	62	68	62
	Maximum	75	82	82
	98%tile	75	82	82
	Average	70	75	76
SO ₂	Minimum	13.9	22.0	12.8
	Maximum	21.5	26.8	15.0
	Average	18.5	24.2	13.9
	98%tile	21.5	26.8	15.0
NO _x	Minimum	17.9	22.2	16.3
	Maximum	23.3	27.2	18.5
	98%tile	23.3	27.2	18.5
	Average	21.2	24.1	17.2
NH ₃	Minimum	0.01mg/M ³	0.02mg/M ³	0.01 mg/M ³
	Maximum	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	98%tile	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	Average	0.02mg/M ³	0.03mg/M ³	0.02mg/M ³

All values are expressed in $\mu\text{g}/\text{m}^3$
except Ammonia

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

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TEST REPORT

Test Report No.TLC/V/Env/CIL/12/0523

dt.01.06.2023

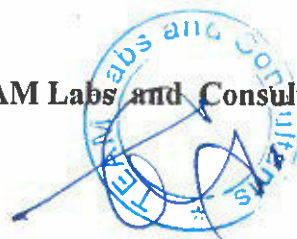
Description of Test: Ambient Air quality Monitoring inside the CFL
Name of the client: Coromandel International Limited, Visakhapatnam
Location of sampling: Stations as per details given
Period of Monitoring : For the Month ofMAY-2023

Summary of Ambient Air quality Monitoring Data for the Month ofMAY-2023

Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	32	34	36
	Maximum	43	44	45
	98%tile	43	44	45
	Average	38	39	40
PM 10	Minimum	62	69	69
	Maximum	79	84	82
	98%tile	79	84	82
	Average	71	76	77
SO ₂	Minimum	14.7	23.1	13.8
	Maximum	23.3	28.5	15.5
	Average	19.6	25.0	14.7
	98%tile	23.3	28.5	15.5
NO _x	Minimum	18.1	22.8	15.9
	Maximum	22.9	26.7	19.6
	98%tile	22.9	26.7	19.6
	Average	21.0	24.3	18.5
NH ₃	Minimum	0.01mg/M ³	0.02mg/M ³	0.01 mg/M ³
	Maximum	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	98%tile	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	Average	0.02mg/M ³	0.03mg/M ³	0.02mg/M ³

All values are expressed in $\mu\text{g}/\text{m}^3$
except Ammonia

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TEST REPORT

Test Report No.TLC/V/Env/CIL/12/0623

dt.01.07.2023

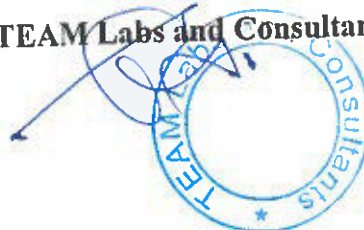
Description of Test: Ambient Air quality Monitoring inside the CFL
Name of the client: Coromandel International Limited, Visakhapatnam
Location of sampling: Stations as per details given
Period of Monitoring : For the Month of JUNE-2023

Summary of Ambient Air quality Monitoring Data for the Month of JUNE-2023

Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	28	30	29
	Maximum	42	43	44
	98%tile	42	43	44
	Average	37	39	39
PM 10	Minimum	58	61	62
	Maximum	78	85	83
	98%tile	78	85	83
	Average	70	76	76
SO ₂	Minimum	13.4	14.7	11.0
	Maximum	24.5	28.5	16.0
	Average	20.6	25.0	14.5
	98%tile	24.5	28.5	16.0
NO _x	Minimum	16.6	16.8	14.7
	Maximum	24.3	27.2	20.2
	98%tile	24.3	27.2	20.2
	Average	21.4	23.8	18.5
NH ₃	Minimum	0.01mg/M ³	0.01mg/M ³	0.01 mg/M ³
	Maximum	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	98%tile	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	Average	0.02mg/M ³	0.03mg/M ³	0.02mg/M ³

All values are expressed in $\mu\text{g}/\text{m}^3$
except Ammonia

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TEST REPORT

Test Report No.TLC/V/Env/CIL/12/0623

dt.01.07.2023

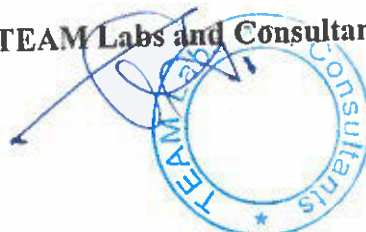
Description of Test: Ambient Air quality Monitoring inside the CFL
Name of the client: Coromandel International Limited, Visakhapatnam
Location of sampling: Stations as per details given
Period of Monitoring : For the Month of JUNE-2023

Summary of Ambient Air quality Monitoring Data for the Month of JUNE-2023

Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	28	30	29
	Maximum	42	43	44
	98%tile	42	43	44
	Average	37	39	39
PM 10	Minimum	58	61	62
	Maximum	78	85	83
	98%tile	78	85	83
	Average	70	76	76
SO ₂	Minimum	13.4	14.7	11.0
	Maximum	24.5	28.5	16.0
	Average	20.6	25.0	14.5
	98%tile	24.5	28.5	16.0
NO _x	Minimum	16.6	16.8	14.7
	Maximum	24.3	27.2	20.2
	98%tile	24.3	27.2	20.2
	Average	21.4	23.8	18.5
NH ₃	Minimum	0.01mg/M ³	0.01mg/M ³	0.01 mg/M ³
	Maximum	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	98%tile	0.03mg/M ³	0.04mg/M ³	0.02mg/M ³
	Average	0.02mg/M ³	0.03mg/M ³	0.02mg/M ³

All values are expressed in $\mu\text{g}/\text{m}^3$
except Ammonia

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TEST REPORT

Test Report No.TLC/V/Env/CIL/12/0823

dt.01.09.2023

Description of Test:

Ambient Air quality Monitoring inside the CFL

Name of the client:

Coromandel International Limited, Visakhapatnam

Location of sampling:

Stations as per details given

Period of Monitoring :

For the Month of AUGUST-2023

Summary of Ambient Air quality Monitoring Data for the Month of AUGUST-2023

Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	30	34	32
	Maximum	43	45	40
	98%tile	43	45	40
	Average	37	40	36
PM 10 µg/M ³	Minimum	54	60	60
	Maximum	80	82	75
	98%tile	80	82	75
	Average	71	75	69
SO ₂ µg/M ³	Minimum	13.8	14.9	9.5
	Maximum	22.3	27.0	14.8
	Average	19.7	22.8	13.3
	98%tile	22.3	27.0	14.8
NO _x µg/M ³	Minimum	15.0	13.8	12.8
	Maximum	22.8	26.0	18.2
	98%tile	22.8	26.0	18.2
	Average	20.3	21.1	15.5
NH ₃ mg/M ³	Minimum	0.01	0.01	0.01
	Maximum	0.02	0.03	0.01
	98%tile	0.02	0.03	0.01
	Average	0.015	0.02	0.01
O ₃ µg/M ³	Minimum	10	10	10
	Maximum	18	20	12
	98%tile	18	20	12
	Average	11.8	14.5	10.25
CO mg/M ³	Minimum	0.1	0.1	0.1
	Maximum	0.1	0.2	0.2
	98%tile	0.1	0.2	0.2
	Average	0.1	0.12	0.11
Pb µg/M ³	<0.05	<0.05	<0.05	<0.05
C6H6 ng/M ³	<0.05	<0.05	<0.05	<0.05
B(a)P ng/M ³	<0.05	<0.05	<0.05	<0.05
As ng/M ³	<0.05	<0.05	<0.05	<0.05
Ni ng/M ³	<0.05	<0.05	<0.05	<0.05

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TEST REPORT

Test Report No. TLC/V/Env/CIL/12/0923

dt. 03.10.2023

Description of Test:

Ambient Air quality Monitoring inside the CFL

Name of the client:

Coromandel International Limited, Visakhapatnam

Location of sampling:

Stations as per details given

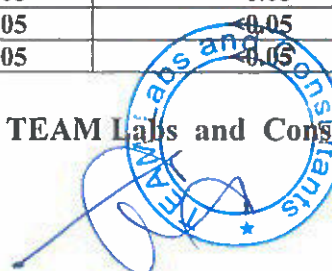
Period of Monitoring :

For the Month of SEPTEMBER-2023

Summary of Ambient Air quality Monitoring Data for the Month of SEPTEMBER-2023

Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate-13 (Near Bagging plant)
PM2.5	Minimum	28	26	25
	Maximum	40	42	41
	98%tile	40	42	41
	Average	35	35	34
PM 10 µg/M ³	Minimum	55	50	48
	Maximum	74	79	72
	98%tile	74	79	72
	Average	67	67	64
SO ₂ µg/M ³	Minimum	11.2	10.5	8.9
	Maximum	18.0	24.3	14.9
	Average	15.4	18.1	12.5
	98%tile	18.0	24.3	14.9
NO _x µg/M ³	Minimum	13.8	19.3	11.3
	Maximum	20.4	25.0	16.8
	98%tile	20.4	25.0	16.8
	Average	17.8	22.2	14.4
NH ₃ mg/M ³	Minimum	0.01	0.01	0.01
	Maximum	0.02	0.03	0.012
	98%tile	0.02	0.03	0.012
	Average	0.015	0.017	0.011
O ₃ µg/M ³	Minimum	8	8	8
	Maximum	14	18	14
	98%tile	14	18	14
	Average	11.2	13.5	11.2
CO mg/M ³	Minimum	0.1	0.1	0.1
	Maximum	0.1	0.2	0.2
	98%tile	0.1	0.2	0.2
	Average	0.1	0.14	0.13
Pb µg/M ³	<0.05	<0.05	<0.05	<0.05
C6H6 ng/M ³	<0.05	<0.05	<0.05	<0.05
B(a)P ng/M ³	<0.05	<0.05	<0.05	<0.05
As ng/M ³	<0.05	<0.05	<0.05	<0.05
Ni ng/M ³	<0.05	<0.05	<0.05	<0.05

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NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CIL/15/0423

dt.02.05.2023

Description of Test: Surrounding village wells-Ground water analysis

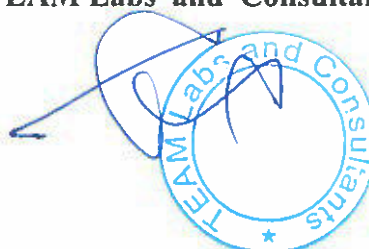
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection: 25.04.2023

NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonica l Nitrogen mgpl
1	Kamaladevi colony- No.1	7.6	Nil	0.2	Nil
2	Kamaladevi colony- No.2	7.4	Nil	0.3	Nil
3	Yeduruvanipalem-1	7.3	Nil	0.3	Nil
4	Yeduruvanipalem-2	7.4	Nil	0.3	Nil
5	Mulagada No.1	7.3	Nil	0.3	Nil
6	Mulagada No.2	7.4	Nil	0.3	Nil
7	Mulagada No.3	7.5	Nil	0.3	Nil
8	Kodipandala dibba	7.4	Nil	0.2	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

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NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CIL/15/0523

dt.01.06.2023

Description of Test: Surrounding village wells-Ground water analysis

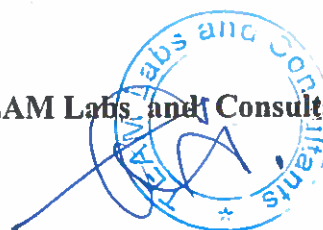
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection: 20.05.2023

NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonica I Nitrogen mgpl
1	Kamaladevi colony- No.1	7.8	Nil	0.3	Nil
2	Kamaladevi colony- No.2	7.7	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.5	Nil	0.3	Nil
4	Yeduruvanipalem-2	7.4	Nil	0.2	Nil
5	Mulagada No.1	7.5	Nil	0.3	Nil
6	Mulagada No.2	7.6	Nil	0.2	Nil
7	Mulagada No.3	7.7	Nil	0.3	Nil
8	Kodipandala dibba	7.4	Nil	0.2	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

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TEST REPORT

Test Report No.TLC/V/Env/CIL/15/0623

dt.01.07.2023

Description of Test: Surrounding village wells-Ground water analysis

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection: 22.06.2023

NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonica I Nitrogen mgpl
1	Kamaladevi colony- No.1	7.8	Nil	0.3	Nil
2	Kamaladevi colony- No.2	7.7	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.5	Nil	0.3	Nil
4	Yeduruvanipalem-2	7.4	Nil	0.2	Nil
5	Mulagada No.1	7.5	Nil	0.3	Nil
6	Mulagada No.2	7.6	Nil	0.2	Nil
7	Mulagada No.3	7.7	Nil	0.3	Nil
8	Kodipandala dibba	7.4	Nil	0.2	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

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TEST REPORT

Test Report No.TLC/V/Env/CIL/15/0723

dt.01.08.2023

Description of Test: Surrounding village wells-Ground water analysis

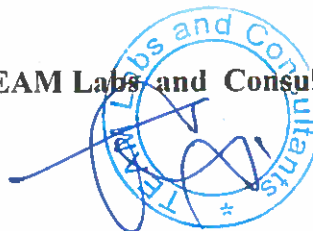
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection: 17.07.2023

NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonica I Nitrogen mgpl
1	Kamaladevi colony- No.1	7.7	Nil	0.2	Nil
2	Kamaladevi colony- No.2	7.8	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.7	Nil	0.2	Nil
4	Yeduruvanipalem-2	7.8	Nil	0.2	Nil
5	Mulagada No.1	7.5	Nil	0.3	Nil
6	Mulagada No.2	7.6	Nil	0.2	Nil
7	Mulagada No.3	7.7	Nil	0.2	Nil
8	Kodipandala dibba	7.6	Nil	0.2	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

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Test Report No.TLC/V/Env/CIL/15/0823

dt.01.09.2023

Description of Test: Surrounding village wells-Ground water analysis

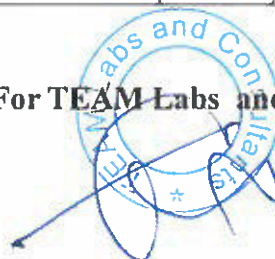
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection: 19.08.2023

NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony- No.1	7.6	Nil	0.2	Nil
2	Kamaladevi colony- No.2	7.7	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.5	Nil	0.2	Nil
4	Yeduruvanipalem-2	7.7	Nil	0.2	Nil
5	Mulagada No.1	7.5	Nil	0.3	Nil
6	Mulagada No.2	7.5	Nil	0.2	Nil
7	Mulagada No.3	7.6	Nil	0.2	Nil
8	Kodipandala dibba	7.6	Nil	0.2	Nil
	Proocol	IS:3025 Part 11- 1983	APHA4500D	SM 4500 F- D	APHA4500C

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TEST REPORT

Test Report No.TLC/V/Env/CIL/15/0923

dt.03.10.2023

Description of Test: Surrounding village wells-Ground water analysis

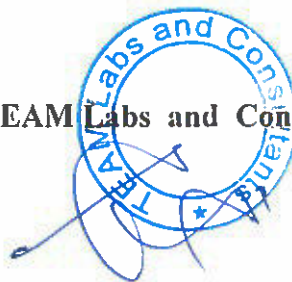
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection: 28.09.2023

NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonica I Nitrogen mgpl
1	Kamaladevi colony- No.1	7.7	Nil	0.2	Nil
2	Kamaladevi colony- No.2	7.7	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.6	Nil	0.2	Nil
4	Yeduruvanipalem-2	7.8	Nil	0.2	Nil
5	Mulagada No.1	7.7	Nil	0.3	Nil
6	Mulagada No.2	7.5	Nil	0.2	Nil
7	Mulagada No.3	7.7	Nil	0.2	Nil
8	Kodipandala dibba	7.8	Nil	0.2	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

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NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CFL/16/0423

dt.02.05.2023

Description of Test: Peizo wells analysis

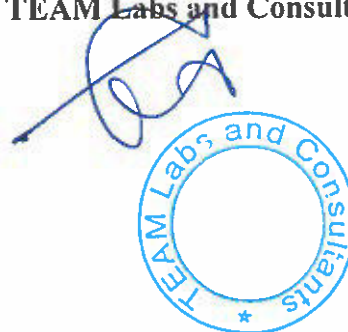
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection : As per details given

No	Date	Location of Peizo-well	F- mg/L
1	25.04.2023	CFL - colony	0.4
2	"	Near 4 OP Gate	0.5
3	"	Near 7 th gate	0.5
4	"	CRC	0.6
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

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TEST REPORT

Test Report No.TLC/V/Env/CFL/16/0523

dt.01.06.2023

Description of Test: Peizo wells analysis

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection : As per details given

No	Date	Location of Peizo-well	F- mg/L
1	20.05.2023	CFL - colony	0.5
2	„	Near4 OP Gate	0.6
3	„	Near 7 th gate	0.5
4	„	CRC	0.7
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

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NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CFL/16/0623

dt.01.07.2023

Description of Test: Peizo wells analysis

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection : As per details given

No	Date	Location of Peizo-well	F- mg/L
1	16.06.2023	CFL - colony	0.5
2	"	Near 4 OP Gate	0.6
3	"	Near 7 th gate	0.5
4	"	CRC	0.7
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

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TEST REPORT

Test Report No.TLC/V/Env/CFL/16/0723

dt.01.08.2023

Description of Test: Peizo wells analysis

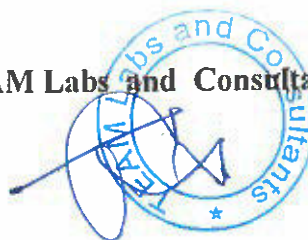
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection : As per details given

No	Date	Location of Peizo-well	F- mg/L
1	18.07.2023	CFL - colony	0.4
2	18.07.2023	Near4 OP Gate	0.5
3	18.07.2023	Near 7 th gate	0.6
4	18.07.2023	CRC	0.6
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

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Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CFL/16/0823

dt.01.09.2023

Description of Test: Peizo wells analysis

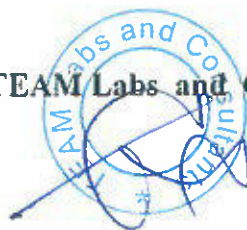
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection : As per details given

No	Date	Location of Peizo-well	F- mg/L
1	12.08.2023	CFL - colony	0.4
2	12.08.2023	Near 4 OP Gate	0.5
3	12.08.2023	Near 7 th gate	0.6
4	12.08.2023	CRC	0.6
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

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TEST REPORT

Test Report No.TLC/V/Env/CFL/16/0923

dt.03.10.2023

Description of Test: Peizo wells analysis

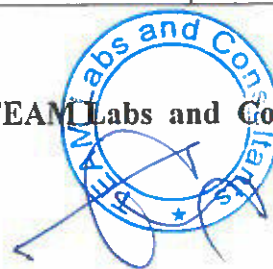
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection : As per details given

No	Date	Location of Peizo-well	F- mg/L
1	26.09.2023	CFL - colony	0.5
2	26.09.2023	Near4 OP Gate	0.6
3	26.09.2023	Near 7 th gate	0.7
4	26.09.2023	CRC	0.6
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

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TEST REPORT

Test Report No.TLC/V/Env/CIL/11/0423

dt.02.05.2023

Description of Test:

Source Emission Monitoring inside the CFL

Name of the client:

Coromandel International Limited, Visakhapatnam

Location of sampling: stacks attached to respective plants as per details given

SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF APRIL-2023

S.No	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	194615	Particulate matter	22	45 mg/NM ³
			Ammonia	95	165.0 mg/NM ³
			Fluoride	0.6	4.0 mg/NM ³
2	Complex B	182573	Particulate matter	24	45 mg/NM ³
			Ammonia	105	165.0 mg/NM ³
			Fluoride	1.4	4.0 mg/NM ³
3	Complex C	171260	Particulate matter	20	45 mg/NM ³
			Ammonia	90	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
4	Sulphuric acid plant-I	96029	Sulphur dioxide	0.081Kg/MT (60mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	24581	Sulphur dioxide	0.029Kg/MT (20mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	158651	Particulate matter	20	50 mg/NM ³
			Fluoride	6.8	20 mg/NM ³
7	Rock grinding unit (Old)	8593	Particulate matter	27	50 mg/NM ³
			Total Fluoride	2.1	20 mg/NM ³
8	Wharf Boiler	7257	Particulate matter	40	115 mg/NM ³
9	Phosphoric acid plant-2	26241	Particulate matter	24	50 mg/NM ³
			Total Fluoride	2.2	20 mg/NM ³
10	Rock grinding unit (New)	7623	Particulate matter	45	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³

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NABL Accredited Laboratory**TEST REPORT**

Test Report No. TLC/V/Env/CIL/11/0523

dt.01.06.2023

Description of Test:

Source Emission Monitoring inside the CFL

Name of the client:

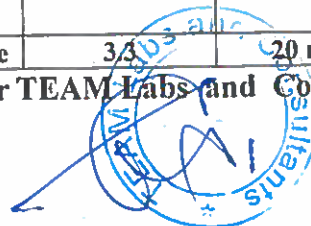
Coromandel International Limited, Visakhapatnam

Location of sampling: stacks attached to respective plants as per details given

SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF MAY-2023

S.No	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	204895	Particulate matter	20	45 mg/NM ³
			Ammonia	66	165.0 mg/NM ³
			Fluoride	0.9	4.0 mg/NM ³
2	Complex B	196420	Particulate matter	22	45 mg/NM ³
			Ammonia	85	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
3	Complex C	196883	Particulate matter	18	45 mg/NM ³
			Ammonia	72	165.0 mg/NM ³
			Fluoride	1.4	4.0 mg/NM ³
4	Sulphuric acid plant-1	92518	Sulphur dioxide	0.125Kg/MT (95mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	266931	Sulphur dioxide	0.048Kg/MT (30mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	155293	Particulate matter	19	50 mg/NM ³
			Fluoride	5.8	20 mg/NM ³
7	Rock grinding unit (Old)	9009	Particulate matter	25	50 mg/NM ³
			Total Fluoride	2.3	20 mg/NM ³
8	Wharf Boiler	8571	Particulate matter	35	115 mg/NM ³
9	Phosphoric acid plant-2	26867	Particulate matter	22	50 mg/NM ³
			Total Fluoride	2.1	20 mg/NM ³
10	Rock grinding unit (New)	8316	Particulate matter	39	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³

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TEST REPORT**SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF JUNE-2023**

S.No	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	201864	Particulate matter	22	45 mg/NM ³
			Ammonia	65	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
2	Complex B	192974	Particulate matter	20	45 mg/NM ³
			Ammonia	90	165.0 mg/NM ³
			Fluoride	1.8	4.0 mg/NM ³
3	Complex C	195186	Particulate matter	19	45 mg/NM ³
			Ammonia	85	165.0 mg/NM ³
			Fluoride	1.6	4.0 mg/NM ³
4	Sulphuric acid plant-1	98724	Sulphur dioxide	0.299Kg/MT (215mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	30430	Sulphur dioxide	0.164Kg/MT (90mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	159643	Particulate matter	30	50 mg/NM ³
			Fluoride	8.8	20 mg/NM ³
7	Rock grinding unit (Old)	8316	Particulate matter	30	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
8	Wharf Boiler	8292	Particulate matter	24	115 mg/NM ³
9	Phosphoric acid plant-2	26506	Particulate matter	32	50 mg/NM ³
			Total Fluoride	4.8	20 mg/NM ³
10	Rock grinding unit (New)	8177	Particulate matter	35	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³

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TEST REPORT

Test Report No.TLC/V/Env/CFL/16/0723

dt.01.08.2023

Description of Test: Peizo wells analysis

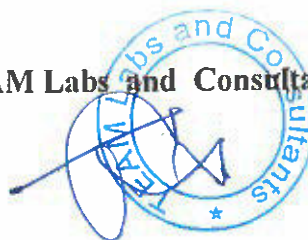
Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Stations as per details given

Date of Sample collection : As per details given

No	Date	Location of Peizo-well	F- mg/L
1	18.07.2023	CFL - colony	0.4
2	18.07.2023	Near4 OP Gate	0.5
3	18.07.2023	Near 7 th gate	0.6
4	18.07.2023	CRC	0.6
		IS10500 Permissible limit	1.5
	Protocol		SM 4500 F- D

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TEST REPORT

Test Report No.TLC/V/Env/CIL/11/0823

dt.01.09.2023

Description of Test:

Source Emission Monitoring inside the CFL

Name of the client:

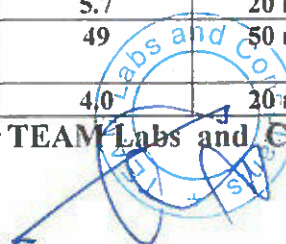
Coromandel International Limited, Visakhapatnam

Location of sampling: stacks attached to respective plants as per details given

SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF AUGUST-2023

S.No	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	194605	Particulate matter	21	45 mg/NM ³
			Ammonia	90	165.0 mg/NM ³
			Fluoride	1.4	4.0 mg/NM ³
2	Complex B	183191	Particulate matter	20	45 mg/NM ³
			Ammonia	80	165.0 mg/NM ³
			Fluoride	2.0	4.0 mg/NM ³
3	Complex C	187851	Particulate matter	24	45 mg/NM ³
			Ammonia	65	165.0 mg/NM ³
			Fluoride	1.6	4.0 mg/NM ³
4	Sulphuric acid plant-I	100877	Sulphur dioxide	0.170Kg/MT (120mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	32449	Sulphur dioxide	0.117Kg/MT (60mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	143374	Particulate matter	40	50 mg/NM ³
			Fluoride	8.1	20 mg/NM ³
7	Rock grinding unit (Old)	8316	Particulate matter	48	50 mg/NM ³
			Total Fluoride	4.7	20 mg/NM ³
8	Wharf Boiler	8466	Particulate matter	31	115 mg/NM ³
9	Phosphoric acid plant-2	27662	Particulate matter	42	50 mg/NM ³
			Total Fluoride	5.7	20 mg/NM ³
10	Rock grinding unit (New)	8177	Particulate matter	49	50 mg/NM ³
			Total Fluoride	4.0	20 mg/NM ³

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TEST REPORT

Test Report No. TLC/V/Env/CIL/11/0923

dt.03.10.2023

Description of Test:

Source Emission Monitoring inside the CFL

Name of the client:

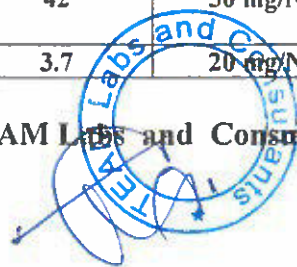
Coromandel International Limited, Visakhapatnam

Location of sampling: stacks attached to respective plants as per details given

SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF SEPTEMBER-2023

S.No	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	196883	Particulate matter	18	45 mg/NM ³
			Ammonia	95	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
2	Complex B	188955	Particulate matter	22	45 mg/NM ³
			Ammonia	75	165.0 mg/NM ³
			Fluoride	1.9	4.0 mg/NM ³
3	Complex C	200182	Particulate matter	20	45 mg/NM ³
			Ammonia	72	165.0 mg/NM ³
			Fluoride	1.5	4.0 mg/NM ³
4	Sulphuric acid plant-I	99750	Sulphur dioxide	0.154Kg/MT (110mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	31884	Sulphur dioxide	0.126Kg/MT (66mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	143822	Particulate matter	36	50 mg/NM ³
			Fluoride	6.9	20 mg/NM ³
7	Rock grinding unit (Old)	8455	Particulate matter	45	50 mg/NM ³
			Total Fluoride	3.9	20 mg/NM ³
8	Wharf Boiler	8728	Particulate matter	38	115 mg/NM ³
9	Phosphoric acid plant-2	28097	Particulate matter	40	50 mg/NM ³
			Total Fluoride	4.4	20 mg/NM ³
10	Rock grinding unit (New)	7900	Particulate matter	42	50 mg/NM ³
			Total Fluoride	3.7	20 mg/NM ³

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Test Report No.TLC/V/Env/CIL/14/0423

dt.02.05.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

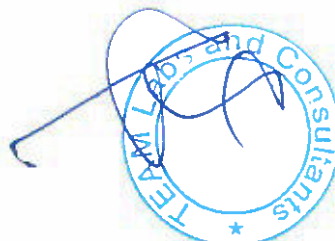
Location of sampling: Gullalapalem

Date of Collection: As per details given

Analysis Report for the Month of APRIL-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
03.04.2023	24	45	10.2	13.3
06.04.2023	26	50	11.3	14.7
10.04.2023	28	55	10.4	15.6
12.04.2023	30	60	9.7	14.4
17.04.2023	32	65	12.2	17.7
19.04.2023	28	59	10.8	15.3
24.04.2023	25	53	9.5	14.7
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

For TEAM Labs and Consultants



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NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CIL/13/0423

dt.02.05.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Mulagada

Date of Collection: As per details given

Analysis Report for the Month of APRIL-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
03.04.2023	28	57	10.1	13.3
06.04.2023	27	56	9.8	14.3
10.04.2023	30	60	12.7	16.6
12.04.2023	32	65	13.0	16.6
17.04.2023	29	60	10.2	15.5
19.04.2023	30	64	11.2	17.2
24.04.2023	26	55	9.7	13.7
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

All values are given in $\mu\text{g}/\text{m}^3$

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Test Report No.TLC/V/Env/CIL/13/0523

dt.01.06.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Mulagada

Date of Collection: As per details given

Analysis Report for the Month of MAY-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
02.05.2023	30	58	11.5	15.5
04.05.2023	28	55	10.6	14.3
09.05.2023	31	62	12.5	16.6
11.05.2023	32	66	14.7	18.2
15.05.2023	28	58	10.5	15.5
19.05.2023	30	62	9.9	16.6
20.05.2023	27	56	9.2	14.7
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

All values are given in $\mu\text{g}/\text{m}^3$

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TEST REPORT

Test Report No.TLC/V/Env/CIL/14/0523

dt.01.06.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

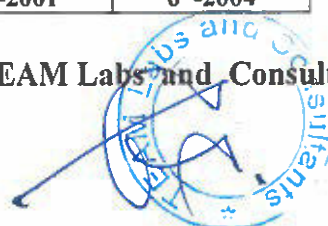
Location of sampling: Gullalapalem

Date of Collection: As per details given

Analysis Report for the Month of MAY-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
02.05.2023	27	52	10.5	13.5
04.05.2023	29	54	12.0	15.8
09.05.2023	28	53	10.4	15.6
11.05.2023	31	62	12.7	19.5
15.05.2023	32	66	14.0	20.2
19.05.2023	28	58	1.2	16.9
20.05.2023	25	53	9.2	14.7
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

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TEST REPORT

Test Report No.TLC/V/Env/CIL/14/0523

dt.01.06.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

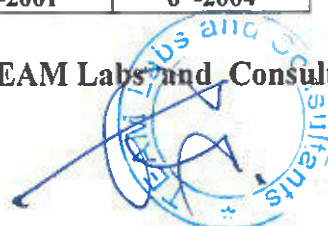
Location of sampling: Gullalapalem

Date of Collection: As per details given

Analysis Report for the Month of MAY-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
02.05.2023	27	52	10.5	13.5
04.05.2023	29	54	12.0	15.8
09.05.2023	28	53	10.4	15.6
11.05.2023	31	62	12.7	19.5
15.05.2023	32	66	14.0	20.2
19.05.2023	28	58	1.2	16.9
20.05.2023	25	53	9.2	14.7
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt. New Delhi
NABL Accredited Laboratory

TEST REPORT

Test Report No. TLC/V/Env/CIL/13/0623

dt.01.07.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL
Name of the client: Coromandel International Limited, Visakhapatnam
Location of sampling: Mulagada
Date of Collection: As per details given

Analysis Report for the Month of JUNE-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
05.06.2023	31	60	11.5	13.8
07.06.2023	30	58	12.0	16.3
13.06.2023	32	62	12.5	16.6
15.06.2023	34	66	14.2	18.2
20.06.2023	25	55	10.2	15.5
23.06.2023	20	56	8.0	10.8
26.06.2023	29	60	9.7	14.3
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

All values are given in $\mu\text{g}/\text{m}^3$

For TEAM Labs and Consultants



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Laboratory Recognised by Ministry of Environment, Forests and Climate Change, GoI, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No.TLC/V/Env/CIL/14/0723

dt.01.08.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Gullalapalem

Date of Collection: As per details given

Analysis Report for the Month of JULY-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
05.07.2023	22	48	9.5	12.6
08.07.2023	24	50	10.2	13.3
10.07.2023	22	45	9.4	11.8
13.07.2023	19	40	8.6	10.5
18.07.2023	16	34	7.4	9.8
22.07.2023	14	30	7.0	9.5
24.07.2023	15	38	8.0	10.8
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

For TEAM Labs and Consultants

Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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Laboratory Recognised by Ministry of Environment, Forests and Climate Change, GoI, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No.TLC/V/Env/CIL/13/0723

dt.01.08.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Mulagada

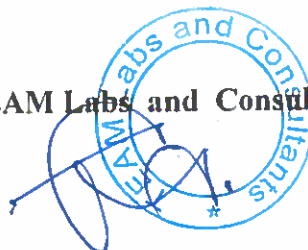
Date of Collection: As per details given

Analysis Report for the Month of JULY-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
05.07.2023	28	54	11.0	13.8
08.07.2023	26	55	10.5	14.2
10.07.2023	30	60	11.8	15.2
13.07.2023	20	42	9.7	13.5
18.07.2023	18	40	8.0	10.6
22.07.2023	16	35	7.8	10.0
24.07.2023	20	40	8.0	10.8
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

All values are given in $\mu\text{g}/\text{m}^3$

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

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Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt. of India, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CIL/14/0823

dt.01.09.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Gullalapalem

Date of Collection: As per details given

Analysis Report for the Month of AUGUST-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
02.08.2023	28	58	9.8	14.2
04.08.2023	26	55	10.0	13.5
09.08.2023	30	60	9.6	12.7
11.08.2023	32	57	11.2	15.0
16.08.2023	27	52	9.5	11.6
18.08.2023	15	38	8.0	10.2
21.08.2023	24	50	9.7	12.2
Protocol	Gravi metric, CPCB annual	IS5182 PART- 23 -2006	IS5182 PART-2 - 2001	IS5182 PART-6 -2004

For TEAM Labs and Consultants

Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No.TLC/V/Env/CIL/13/0823

dt.01.09.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Mulagada

Date of Collection: As per details given

Analysis Report for the Month of AUGUST-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
02.08.2023	26	54	10.8	14.0
04.08.2023	27	55	9.9	13.2
09.08.2023	32	64	11.0	16.3
11.08.2023	25	50	10.2	13.5
16.08.2023	28	56	9.7	13.2
18.08.2023	12	38	8.1	11.3
21.08.2023	26	54	9.1	10.9
Protocol	Gravi metric, CPCB anual	IS5182 PART-23 - 2006	IS5182 PART-2 - 2001	IS5182 PART-6 - 2004

All values are given in $\mu\text{g}/\text{m}^3$

For TEAM Labs and Consultants



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Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No.TLC/V/Env/CIL/13/0923

dt.03.10.2023

Description of Test: Ambient Air Quality Monitoring outside the CFL

Name of the client: Coromandel International Limited, Visakhapatnam

Location of sampling: Mulagada

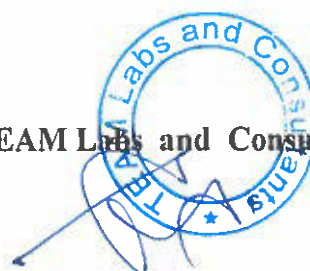
Date of Collection: As per details given

Analysis Report for the Month of SEPTEMBER-2023

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
04.09.2023	24	52	9.8	11.6
06.09.2023	20	48	8.0	10.8
11.09.2023	22	50	8.3	11.2
13.09.2023	15	38	7.8	10.2
19.09.2023	20	44	8.6	12.2
21.09.2023	25	48	9.5	13.8
25.09.2023	26	54	9.7	14.2
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 6 -2004

All values are given in $\mu\text{g}/\text{m}^3$

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

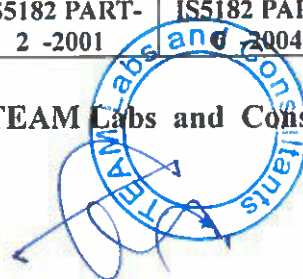
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Gol, New Delhi

NABL Accredited Laboratory

TEST REPORT**Test Report No.TLC/V/Env/CIL/14/0923****dt.03.10.2023****Description of Test: Ambient Air Quality Monitoring outside the CFL****Name of the client: Coromandel International Limited, Visakhapatnam****Location of sampling: Gullalapalem****Date of Collection: As per details given****Analysis Report for the Month of SEPTEMBER-2023**

Date of monitoring	PM2.5 Limit 60 $\mu\text{g}/\text{m}^3$	PM10 Limit 100 $\mu\text{g}/\text{m}^3$	SO ₂ Limit 80 $\mu\text{g}/\text{m}^3$	NO _x Limit 80 $\mu\text{g}/\text{m}^3$
04.09.2023	25	52	9.5	13.3
06.09.2023	22	46	8.8	12.4
11.09.2023	20	42	7.8	10.6
13.09.2023	16	35	7.2	10.6
19.09.2023	21	45	9.7	12.8
21.09.2023	25	48	9.5	11.6
25.09.2023	27	50	10.1	13.8
Protocol	Gravi metric, CPCB anual	IS5182 PART- 23 -2006	IS5182 PART- 2 -2001	IS5182 PART- 2 -2004

For TEAM Labs and Consultants



Date: 28.09.2023

EHS/APPCB/2023-78

To
The Member Secretary,
A.P. Pollution Control Board,
D.No.33-26-14D/2, Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet,
Vijayawada-520 010

sairakeshni@gmail.com, Nasik

RH951559924IN IVR:827875155992
RL MALKAPURAM S.O <530011>
Counter No:1.29/09/2023.11:29
To: FORM V THE ME, APPCB VIJAYAWADA
PIN: 520010, Venkateswarapuram S.O
From: EHS HOD, COROMANDEL INTER
Wt: 246gms
Amt: 82.00 (Cash)
<Track on www.indiapost.gov.in>

Sub: Submission of Environmental Statement in Form-V for the financial year 2022-23 as per the
Environmental Protection Act -1986 reg.

Ref: 1. Consent Order No: APPCB/VSP/65/CFO/HO/1967 - 30/09/2022
2. Consent Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021 - 01/11/2021
3. Consent Order No: APPCB/VSP/VSP/65/CFO/HO/2020 - 23/12/2020

Dear Sir,

We are enclosing herewith the Environment Statement for the financial year 2022-23 ending with
31st March 2023 in prescribed Form-V with respect to Coromandel International Ltd. along with
relevant annexures.

This is submitted as per the guidelines of Environment protection act -1986

Thanking you

Yours faithfully
For Coromandel International Limited


M. Gnanasundaram
VP & Head - Manufacturing


Encl: As above

Cc: 1. The Joint Chief Environmental Engineer, Zonal Office, APPCB, Visakhapatnam-18
2. The Environmental Engineer, Regional Office, APPCB, Visakhapatnam-18

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 29 September 2023 13:02
To: rovspappcb@gmail.com; rovsp-ee1@appcb.gov.in; zovspappcb
Cc: EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Submission of CIL-Form-V (Environmental Statement) for the period of 2022-2023
Attachments: CIL-Vizag-Form -V 2022-2023.pdf

Dear Sir,

Here we are **submitting the Environmental Statement , Form-V** as per Environmental Protection Act, 1986 by **Coromandel International Limited, Visakhapatnam for the period of 2022-2023.**

Same original copy of Form-V along with backup documents we have submitted to Head office, APPCB, Vijayawada through postal on **29.09.2023** and same copy submitted to your regional and zonal office today.

Again, we have submitted the same copy through mail as per your instruction.

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE


Coromandel
FUTURE POSITIVE
Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam-530 011
Andhrapradesh, India.
F: +91 891-2578400
W: www.coromandel.biz
A MURUGAPPA GROUP COMPANY



ANDHRA PRADESH POLLUTION CONTROL BOARD
Dr. YSR Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar, Vijayawada- 520007
Phone. No.0866-2463200, Website : <https://pcb.ap.gov.in/>



RED CATEGORY

CONSENT TO OPERATE & AUTHORIZATION ORDER

Consent Order No : APPCB/VSP/65/CFO/HO/1967 -

Dt. 04/08/2023

CONSENT is hereby granted to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Coromandel International Limited,

(After Expansion)

Sriharipuram, Malkapuram (PO)

Visakhapatnam - 530 011

Email : nagarajud@coromandel.murugappa.com ; mishraVK@coromandel.murugappa.com ; nagarjunap@coromandel.murugappa.com

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i) Out lets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1.	Process and Washings	1,800	<ul style="list-style-type: none"> Process effluents shall be recycled / reused within factory premises to achieve Zero discharge except during rainy season In case of low load plant operations and during rainy season, the quantity of effluent generated from Phosphoric acid post enhancement is 1800 KLD which shall be treated in the existing ETP plant and discharged along with once through cooling blow down through Meghadrigedda surplus course that joins Bay of Bengal
2.	Cooling tower blow down & Desalination Plant RO Rejects	91,600	Into Meghadrigedda surplus course that joins Bay of Bengal
3.	Domestic	530	The industry treat the waste water in the STP, after treatment in the STP the treated waste water shall be Recycled / reused within the factory premises.
	Total	93,930	

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions in m ³ /hr. at peak flow
1.	Attached to 1700 TPD Sulphuric Acid Plant	1,15,357Nm ³ /hr
2.	Attached to 400 TPD* Sulphuric Acid Plant	33,333 Nm ³ /hr
3.	Attached to 700 TPD Phosphoric Acid Plant	1,82,000 Nm ³ /hr
4.	Attached to 40 TPH Rock Grinding unit	15,000 m ³ /hr
5.	Attached to 20 TPH Rock Grinding unit	15,000 m ³ /hr
6.	Attached to Complex A-Train	2,60,700 Nm ³ /hr
7.	Attached to Complex B-Train	2,60,700 Nm ³ /hr
8.	Attached to Complex C-Train	2,67,850 Nm ³ /hr
9.	Common stack attached to Drier (2 Nos.) & process coolers (2 Nos) of 300 TPD customized fertilizer	---
10.	Attached to 1.5 TPH Oil Fired Boiler	12,000 Nm ³ /hr
11.	Attached to 4 MW D.G. Set	--
12.	Attached to 4 MW D.G. Set	--
13.	Attached to 900 TPD Phosphoric Acid Plant	35,000 Nm ³ /Hr
14.	Attached to 75 TPH Rock Phosphate grinding Unit	30,000 Nm ³ /Hr
15.	Attached to 40 TPH Coal Fired Boiler (6.7 MW) & Back pressure Turbine 5 MW	67,200 Nm ³ /Hr
16.	Attached to 910 KVA D.G. Set	--
17.	Attached to 2000 TPD SulphuricAcidPlant-3	1,61,000 Nm ³ /Hr
18.	Attached to 500 KVA D.G. Set	---
19.	Attached to 750 KVA D.G. Set	---

iii) HAZARDOUS WASTE AUTHORISATION (FORM – II) [See Rule 6 (2)]:

M/s. Coromandel International Limited, Sriharipuram, Malkapuram, Visakhapatnam District, is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

● HAZARDOUS WASTE WITH DISPOSAL OPTION

S.No	Name of the waste	Stream	Quantity	Disposal Option
1.	Acid residues (Tank bottom sludge)	34.2 of Schedule-I	60 TPA	Recycle back into phosphoric acid reactor
2.	Sulphur muck (Sulphur sludge)	Class B (Sl.No.37) of Schedule-II	1500 TPA	Recycle back into the process as a filler material in the granulation plant
3.	Spent catalyst	18.1 of Schedule-I	115 TPA	Shall be routed through APEMC, to Authorised Reprocessors / Recyclers / TSDF, Parawada / Pre – processors
4.	Used lubricating oil/drained oil	5.1 of Schedule - I	60 KLPA	Shall be routed through APEMC to Authorised Reprocessors / Recyclers

5.	Detoxified Containers and container liners	33.1 of Schedule-I	15000 Nos/Anum	Shall be routed through APEMC to TSDF for detoxification and disposal / outside agencies / return to dealers, after detoxification
6.	LSHS Sludge	34.2 of Schedule-I	15TPA	Shall be routed through APEMC to cement industries for co-processing / TSDF, Parawada / Pre – processors
7.	Scrubbing sludge	37.1 of Schedule-I	450 TPA	Reuse back in the process
8.	ETP sludge	35.3 of Schedule –I	1200 TPA	Recycle back into process
9.	Off specified , expired chemicals & lab chemicals etc.	28.4 of Schedule –I	50 TPA	Shall be routed through M/s. APEMCL to TSDF Parawada for incineration /Landfill /Authorised Cement Industries for Co-Processing
10.	Glass wool	33.2 of Schedule –I	8 TPA	Shall be routed through M/s. APEMCL to TSDF Parawada for Landfill
11.	Insulation puf	33.2 of Schedule –I	8 TPA	Shall be routed through M/s. APEMCL to TSDF Parawada for Incineration

● OTHER THAN HAZARDOUS WASTE WITH DISPOSAL OPTION

S.No	Name of the waste	Quantity	Disposal Option
1.	e-waste	25 TPA	Authorised e-waste recyclers / dismantlers
2.	Fly ash	25 TPD	To cement industries / brick manufacturing units

The Consent Order No. APPCB/VSP/65/CFO/HO/1967 dated 30.09.2022 and amendment of CTO dt. 01.02.2023 valid upto 31.08.2027 stands cancelled from date of issue of this order. This consent order is valid to manufacture the following products along with quantities indicated only:

S.No.	Products	Quantity
1	Complex Fertilisers	4210 TPD*
2	Customized Fertilizer plant (Customized Fertilizersor Organic Fertilizersor Bio Stimulantsor Soil conditioners or Mixture of fertilizers) (or)	
3	Water soluble fertilizer plant	
	100% Water soluble complex fertilizers/ 100% water soluble mixture of fertilizer (or)	
	Micronutrient mixtures (powder/ liquid/ granular) (or)	
	Chelated Micronutrients (powder/ liquid/ granular) (or)	

	Urea Phosphate (or)	
	Micronized / Nano Sulphur	
4	H ₂ SO ₄	4100 TPD (SAP1 – 1700 TPD & SAP2-400 TPD, SAP3- 2000 TPD)
5	Bentonite Sulfur /Bentonite Sulphur with micronutrients	200 TPD
6	Phosphoric Acid	1600 TPD
7	Fertilizer Technology Centre (<i>Granulation</i>) – <i>Straight or Complex or Fortified or Organic or Bio stimulants or Soil conditioner or Mixture of fertilizers</i>	19 TPD
8	Fertilizer technology centre - Phosphoric acid	0.83 TPD
9	Sulpho Zinc & Sulpho Boron	50 TPD
10	Liquid Fertilizer plant – <i>Liquid Suspension or Liquid solution of primary nutrients (N,P,K)/Micronutrients/Secondary nutrients / Organics/Bio Stimulants/Nano fertilizers</i>	6.0 TPD
11	Desalination Plant	6 MLD
By-Products:		
12	Gypsum	8000 TPD
13	Hydroflorosilicic Acid	40TPD
Bulk storage facilities at site		
14	Ammonia (1x5000 MT + 1x7500 MT)	12500 MT
15	Sulphuric acid (1X4000 MT + 3X 2500MT) + 4x5000MT + 2 X 12500 MT	56500 MT
16	Phosphoric acid (P ₂ O ₅)	32890 m ³ (2 X 310 m ³ + 7 X 610 m ³ + 7 X 1000 m ³ + 3 X 3000 m ³ + Wharf - 2 X 6000 m ³ = 12000 m ³)
17	Molten sulphur **	18000 MT (2 X 7500 MT these two storage tanks located at wharf area + 2 X 1500 MT)
18	LSHS	1193 KL (2 X 500 KL + 1 X 160 KL + 33 KL)
19	Diesel	96 KL (2 X 10 KL + 1 X 16 KL + 60 KL)

20	Kerosene	1 X 50 KL
21	LPG	870 Kg

*** The industry shall produce either individual fertilizers or combination of the fertilizers at any point of time without increase in the total permitted capacity of fertilisers 4210 TPD.**

**** Molten sulphur capacity 2 X 7500 MT as per CFE dt.18.11.2021.**

Note: The industry has dismantled Petrol tank and same was deleted.

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent to operate & Hazardous Waste Authorisation shall be valid for a period ending with the **31st day of August, 2027.**

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

**To
M/s. Coromandel International Limited,
Sriharipuram, Malkapuram (PO)
Visakhapatnam - 530 011**

Copy to:

1. The JCEE, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The EE, Regional Office, **Visakhapatnam** for information.

SCHEDULE – A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
4. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.

5. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
6. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
7. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
9. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
10. The industry may explore the possibility of tapping the solar energy for their energy requirements.
11. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE - B

The issue CTO &HWA (Expansion) to the industry was placed in the Consent Management Committee meeting held on 25.07.2023. The industry shall comply with the following conditions:

1. The industry shall provide permanent pipe line arrangement for lifting leachate generated from ETP sludge storage shed to the ETP for treatment.
2. The industry shall maintain good housekeeping within the factory premises.
3. The industry shall upgrade STP to treat the domestic wastewater of 530 KLD, until then the industry shall restrict the wastewater generation to 300 KLD, as the industry is having STP of capacity 300 KLD only to treat the wastewater.
4. The industry shall furnish emission loads of SO₂ & acid mist for all Sulphuric acid

plants.

5. The industry shall develop balance greenbelt with native species of the total area within 3 months to achieve 33% of greenbelt.

WATER POLLUTION:

6. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards
1 & 2	pH	6.5 – 8.5
	Ammonical Nitrogen	50 mg/l
	Free Ammonical Nitrogen	4.0 mg/l
	Total Kjeldahl Nitrogen	75 mg/l
	Nitrate Nitrogen	20 mg/l
	Cyanide as CN	0.1 mg/l
	Vanadium as V	0.2 mg/l
	Arsenic as As	0.2 mg/l
	Phosphate as P	5 mg/l
	Suspended solids	100 mg/l
	Oil and Grease	10 mg/l
	Fluoride as F	10 mg/l
	Hexavalent Chromium as Cr	0.1 mg/l
	Total Chromium as Cr	2.0 mg/l
	BOD	30 mg/l
	COD	250 mg/l
	Temp :- Not more than 5 °C higher than intake water.	
3	pH	6.50 – 8.50
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand	30 mg/l
	Total Suspended Solids	<100 mg/l
	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100 ml

Note: (i) Chromium salt shall not be used in cooling tower as algicide. (ii) The effluent shall be analysed for Vanadium and Arsenic once in a year and analysis report shall be submitted to the concerned State Pollution Control Board / Pollution Control Committee.

7. The source of water is GVMC, Sea drawl & Desalination Plant. The following is the permitted water consumption:

S.NO.	Purpose	Quantity (KLD)
1	Process & Washes	Total – 16600 (Existing 10,350 + SAP3-1800 + PAP-2400 KLD) + Expansion= 2050 (SAP - 650+ PAP-1400)
2	Industrial Cooling (Make up) – Fresh Water (from GVMC or from De-salination plant or combination of both)	
3	Boiler feed	

4	Domestic & Other	
	Subtotal	16600
5	Sea water (Industrial cooling & Desalination Plant of 6 MLD capacity)	84600+16000 = 100600
	Grand Total (kl)	1,17,200

8. The effluent discharged shall comply with the tolerance limits mentioned as per MoEF notification dated 29.12.2017 prescribed for Fertilizer industry.
9. The industry shall maintain the following:
 - a. Electro Magnetic flow meters with totalisers for water used and effluent generation for different purposes as mentioned in this CTO order.
 - b. Proper records for effluent generation, treated, reused and discharged into meghadrigedda.
 - c. Water flow meter at Leachate Collection pit provided for Gypsum storage yard to quantify the effluents recycled and shall maintain registers.
10. The effluents shall be stored in above ground level collection tanks separately.
11. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas. The industry shall maintain separate storm water drains and provide rain water harvesting structure.
12. Container, Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank.
13. The industry shall comply with the standard for fluoride (1.5 mg/l) in piezo well water samples and shall not exceed the standard
14. The industry shall submit details of maintaining temperature difference (DT) of 5⁰C before disposal to Sea via Megadri gedda every month.
15. The industry shall provide online effluent monitoring system for pH, BOD, COD, TSS, Phosphates, Fluorides, temperature with online connectivity to CPCB / APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015.
16. The industry shall ensure that no Fluoride contamination in two piezo wells and monitor piezo wells on monthly basis. The industry shall submit trends every 3 months to RO, Visakhapatnam.

AIR POLLUTION:

17. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

Chimney No.	Parameter	Emission Standards
	Acid mist	20 mg/Nm ³

1	SO ₂ SO ₃	1 Kg/MT of product 0.35 Kg/MT of product
2	Acid mist SO ₂ SO ₃	20 mg/Nm ³ 0.65 Kg/MT of product 0.35 Kg/MT of product
3 & 13	Total Fluoride PM	20 mg/Nm ³ 50 mg/Nm ³
4,5 & 14	PM	50 mg/Nm ³
6 - 8	Particulate Matter Fluorine Ammonia	45 mg/Nm ³ 4 mg/Nm ³ 165 mg/Nm ³
9	Particulate Matter	50.00 mg/Nm ³
11, 12	Particulate Matter	115.00 mg/Nm ³
15	PM	50.00 mg/Nm ³
17	Acid mist SO ₂ SO ₃	20 mg/Nm ³ 1 Kg/MT of product 0.35 Kg/MT of product

18.The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

19.The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 microns) - 100 micro gram/ m³; PM2.5 (Particulate Matter size less than 2.5 microns) - 60 micro gram/ m³; SO₂ - 80 micro gram/ m³; NO_x - 80 micro gram/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 shall be complied. Following standards prescribed for noise shall be complied.

Noise Levels: Day time - (6 AM to 10 PM) - 75 dB (A)

Night time - (10 PM to 6 AM) - 70 dB (A).

20.The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.

21.The industry shall properly maintain 400 MTPD evaporation system for Phosphoric

Acid including Fluorine recovery system as stipulated in the EC order dt.14.07.2017. The industry shall recover fluorine from phosphoric acid process to maximum extent possible.

- 22.The industry shall operate bulk handling mechanism like telescopic chute system at all raw material storage ware houses and ensure that there shall not be fugitive emissions from the raw material handling warehouses. The industry shall cover all directions of the feeding area of rock phosphate and rectify the fugitive leakages, if any.
- 23.The industry shall maintain online stack analyzers for all the stacks of complex fertilizer plant for monitoring ammonia, PM and fluorine and one analyser for monitoring fluorine in Phosphoric Acid Plant with online connectivity to CPCB/APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015. The industry shall maintain the online analyzer facility for monitoring of Fluoride in the Phosphoric Acid plant immediately. The data shall be connected to the CPCB / APPCB servers.
- 24.The industry shall maintain 3 online CAAQM Stations within the plant as per the specifications of CPCB for online monitoring of SPM, RSPM, SO₂, NO_x & Ammonia with networking facility to Head Office, APPCB.
- 25.The industry shall maintain automatic caustic lye solution dosage for the scrubbers provided in the Sulphuric acid plant so as to maintain pH below 8 in acidic scrubbers provided in the plant. The industry shall maintain online pH measuring facility with auto recording system to the alkali scrubbers provided to treat the sulfuric acid plant emissions.

GENERAL:

- 26.The industry shall not manufacture new products and not exceed the consented capacity without CTE/CTO of the Board.
- 27.The industry shall evaporate (concentrate) Phosphoric acid to reduce Fluorine so as to reduce fluorine input to complex fertilizer plant;
- 28.Housekeeping shall be improved through closed transportation systems. Road sweeping machine shall be deployed for control of dust near Gypsum yard.
- 29.The industry shall maintain Hazardous waste storage area with concrete platform and leachate collection pit for storage of ETP sludge.
- 30.The industry shall comply with the guidelines issued by the CPCB regarding storage & handling of gypsum.
- 31.The industry shall not start-up the Sulfuric acid plants during night time i.e. between 6.00 PM to 8: 00 AM.
- 32.The industry shall operate bag filters at hopper i.e. rock phosphate unloading point at wharf to arrest the fugitive emissions.
- 33.The industry shall maintain the internal roads within the factory premises.
- 34.The industry shall update the Disaster Management Plan regularly.

- 35.The industry shall monitor work place online ammonia levels with online sensors in complex fertiliser plant and maintain records.
- 36.The industry shall store fresh gypsum on HDPE lining at the wagon loading area.
- 37.The industry shall submit concentration levels of Ammonia monitored by industry through sensors every month.
- 38.The industry shall ensure that there are no leaks in any unit operations and unit processes.
- 39.The industry shall take proper measures to ensure the trucks with proper leak proof bodies are used for transportation of gypsum from the industry.
- 40.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details.
 - b. Quantity of Effluents generated, treated, recycled.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
- 41.The industry shall comply with the conditions stipulated in the CTE order No.65/APPCB/CFE/RO-VSP/HO/2012, dated 08.02.2020, 24.08.2022, 27.07.2022 & 22.11.2022
- 42.The industry shall update the information in OCEMS - Industry Information Data Entry Software for Compliance Reporting Protocol in PART-II (Sections F & G) Every Quarter on 1st January, 1st April, 1st July and 1st October through this software system.
- 43.The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
- 44.The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
- 45.The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the

audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

46.Any other directions / circulars / notices / guidelines issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.

47.The conditions are stipulated without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.

Special conditions:

48.The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.

49.The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.

50.The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment, and the details shall be furnished to the Factories Department and the Regional Office, APPCB time to time duly certifying the same by the industry. Further, the industry shall extend training to the working personnel while handling hazardous chemicals for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.

51.The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.

52.The industry shall inventory the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on a monthly basis duly certifying the same by the industry.

53.The industry shall conduct Risk studies to be undertaken clearly describing impact within the industry premises and outside the industry premises and emergency response system.

54.The industry shall inventorize the storage quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity / toxicity / flammability / explosive stored/handling in the premises as defined in the Management of Storage,

Import of Hazardous Chemicals (MSIHC) Rules, 1989 and the details shall be furnished to the Factories Department and to the Regional Office, APPCB on monthly basis duly certifying the same.

SCHEDULE - C

[see rule 6(2)]

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR
HANDLING HAZARDOUS WASTES]**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The industry shall enter an agreement with the Cement industries for disposal of incinerable waste or shall dispose to Alternative Fuel Raw material facility (AFRF) OR to TSDF for co-incineration.
9. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
10. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
11. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
12. The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.
13. The industry shall maintain 7 copy manifest system for transportation of waste

generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

14.The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

15.The industry shall route the all the hazardous wastes through M/s. APEMC.

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

**To
M/s. Coromandel International Limited,
Post Box No. 1116,
Sriharipuram, Malkapuram(PO)
Visakhapatnam -530 011**

EHS/APPCB/2024-030

Dated:22/04/2024

To
The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -18

Dear Sir,

Sub: Submission of Public Liability Act copy (Policy No. 96000036243300000001).

Ref: i) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023
ii) CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021
iii) CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020

With reference to above as per the general condition point No 43 specified in CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023 and Schedule – A in condition no : 03 in CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021 & CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020, we are herewith submitting the Public Liability Act Policy copy for the period of

Policy Period:

From : 01/04/2024
To Midnight of : 31/03/2025

This is for your kind information & Records
Thanking you,

Yours Truly
For Coromandel International Limited



Gnanasundaram M
Vice President & Head Manufacturing.



NAG/DNR

Encloser: PLA copy



POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	:	M/S.COROMANDEL INTERNATIONAL LIMITED			
		Insured's Details		Issuing Office Details	
Customer ID	:	PO59235971	Office Code	:	HYDERABAD LCBO 960000 (960000)
Address	:	COROMANDEL HOUSE, D.NO:1-2-10,SARDAR PATEL ROAD,SECUNDERABAD. SECUNDERABAD ,TELANGANA, 500003	Address	:	LARGE CORPORATE AND BROKERS OFFICE, 7C,7TH FLOOR, SURYA TOWERS, S.P.ROAD, SECUNDERABAD ,500003
Phone No	:		Phone No	:	4027810302
E-mail/Fax	:	MittalA@coromandel.murugappa.com, /	E-mail/Fax	:	nia.960000@newindia.co.in /
PAN No	:	AAACC7852K	S.Tax Regn. No	:	AAACN4165CST178
GSTIN/UIN	:	36AAACC7852K2ZD / NA	GSTIN	:	36AAACN4165C3ZQ
	:		SAC	:	997139 (Other non-life insurance services excl RI)

Policy Details					
Policy Number	:	96000036243300000001	Business Source Code	:	
Period of Insurance	:	From: 01/04/2024 12:00:01 AM To: 31/03/2025 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	:	Marsh India Insurance Brokers Pvt. Ltd. - (2D10672900) Marsh_India_121400 - (2D10685525),
Date of Proposal	:	01-Apr-24	Agent/Bancassurance/S pecified Person	:	
Prev. Policy no.	:	62030036233300000001	Phone No	:	7045922442, 8657561533 / NA
Client Type	:	Corporate	E-mail/Fax	:	Kamal.Pherwani@marsh.com, Pravin.chandvekar@marsh.com / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
230765	230765	41,538	5,03,068	RUPEES FIVE LAC THREE THOUSAND SIXTY-EIGHT ONLY	9600008124000000002 4 - 02/04/24

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductible S	No of workmen	No of Other Employee
01/04/2012	<= 15 Crore	19	50000000	1:3	150000000	150000000000	250000000000	14000	3000	

Retroactive Dates

Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles	No of workmen	No of Other Employee
RETROACTIVE DATE 1	01/04/2012	<=15Crore	19	50000000	1.3	150000000	150000000000	250000000000	14000	3000	

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature Not Verified
Digitally signed by DHIRAJ KUMAR
Date: 2024.04.02 13:41:29 +05'30'IST



Special Conditions	AS PER POLICY-19 NO.OF LOCATIONS AS PER LIST ATTACHED HEREWITH AS PER PUBLIC LIABILITY ACT POLICY Absolute exclusion for losses directly or indirectly arising out of contributed to by or resulting from Coronavirus (Covid 19 and /or nCov 2019) or any mutations or variations thereof.	
Special Exclusions	NA	
Special Excess/Deductible	0	
Retroactive Dates		Date
Retroactive date		01/04/2012

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details		
	Rate of Tax	Amount in INR
Premium		₹ 4,61,530
SGST	9	20769
CGST	9	20769
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 02nd day of April,2024.

For and on behalf of
The New India Assurance Company Limited

Date of Issue: 02/04/2024

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 96000024E0000029

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

दिन्यू इंडिया एश्योरन्स कंपनी लिमिटेड

बृहत्कॉर्पोरेट एवम ब्रोकर्स कार्यालय - ९६०००

7th मंजिल, सूर्या टावर्स, एसडी रोड, सिकंदराबाद

५००००३, तेलंगाना

दूरभाष - ०४०-२७८१०३००, २७८१०३०२

फैक्स - ०४०-६६२६४४४३

हिन्दी हमारी राष्ट्रभाषा है, सारे देश की आशा है।



Leadership and Beyond

The New India Assurance Co Ltd

Large Corporate and Brokers Office - 960000

7th Floor, C Block, Surya Towers, SP Road,

Secunderabad - 500 003, Telangana

Telephone - 040 27810300, 27810302

Fax - 040 66264443

India's Premier General Insurance Company

Schedule attached to and forming part of policy no. 96000036243300000001

List of 19 Locations attached and forming part of Public Liability (Act only) Policy no: 96000036243300000001, Policy period : 01-04-2024 to 31-03-2025.

With reference to the captioned subject following are the list of Locations

1. M/S Coromandel International Ltd-VISAKHAPATNAM
2. M/S Coromandel International Ltd-KAKINADA
3. M/S Coromandel International Ltd-ENNORE
4. M/S Coromandel International Ltd-RANIPET
5. M/S Coromandel International Ltd-THANE
6. M/S Coromandel International Ltd-NAVI MUMBAI.
7. M/S Coromandel International Ltd-UNIT 1, JAMMU
8. M/S Coromandel International Ltd-UNIT2, BARIBRAHMANA, JAMMU
9. M/S Coromandel International Ltd, UMBERGAON
10. M/S Coromandel International Ltd, GIDC, NANDESARI
11. M/S Coromandel International Ltd, PALI
12. M/S Coromandel International Ltd, RAIBARELI
13. M/S Coromandel International Ltd, MADRI-UDAIPUR
14. M/S Coromandel International Ltd, JAGPURA-KOTA
15. M/S Coromandel International Ltd, MUNIRABAD
16. M/S Coromandel International Ltd, ANKHALESHWAR
17. M/S Coromandel International Ltd, DAHEJ
18. M/S Coromandel International Ltd -NIMRANI
19. M/S Coromandel International Ltd Super Phosphate factory, ENNORE

For The New India Assurance Company

Authorised Signatory

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 24 April 2024 16:10
To: rovspappcb@gmail.com
Cc: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of special conditions reports
Attachments: Submission of AAQMS online data for the six months as per EC complex PAP.crdownload; Submission of SAP -3 & Desalination plant Fire NOC.crdownload; Submission of monthly Piezo Well analysis report as per EC complex PAP.crdownload; Submission of Piezo Well analysis report as per CFO.crdownload; Public Liability Policy (PLI) April - 2024-2025 (Policy No. 96000036243300000001).pdf

Dear Sir,

Here we are submitting the following Special Conditions reports for your consideration.

1. Public Liability Act copy (Policy No. 96000036243300000001).
2. Fire NOC
3. Piezo well water analyses Quarterly reports as per CFO
4. Piezo well water analyses monthly reports as per EC
5. AAQMS online data reports as per EC

The same original copy along with backup documents we submitted on **23.04.2024** to your regional office. Again, we have submitted the same copy through mail as per your instruction.

Thanks & Regards,
Nageswara Rao G



Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

Andhrapradesh, India.

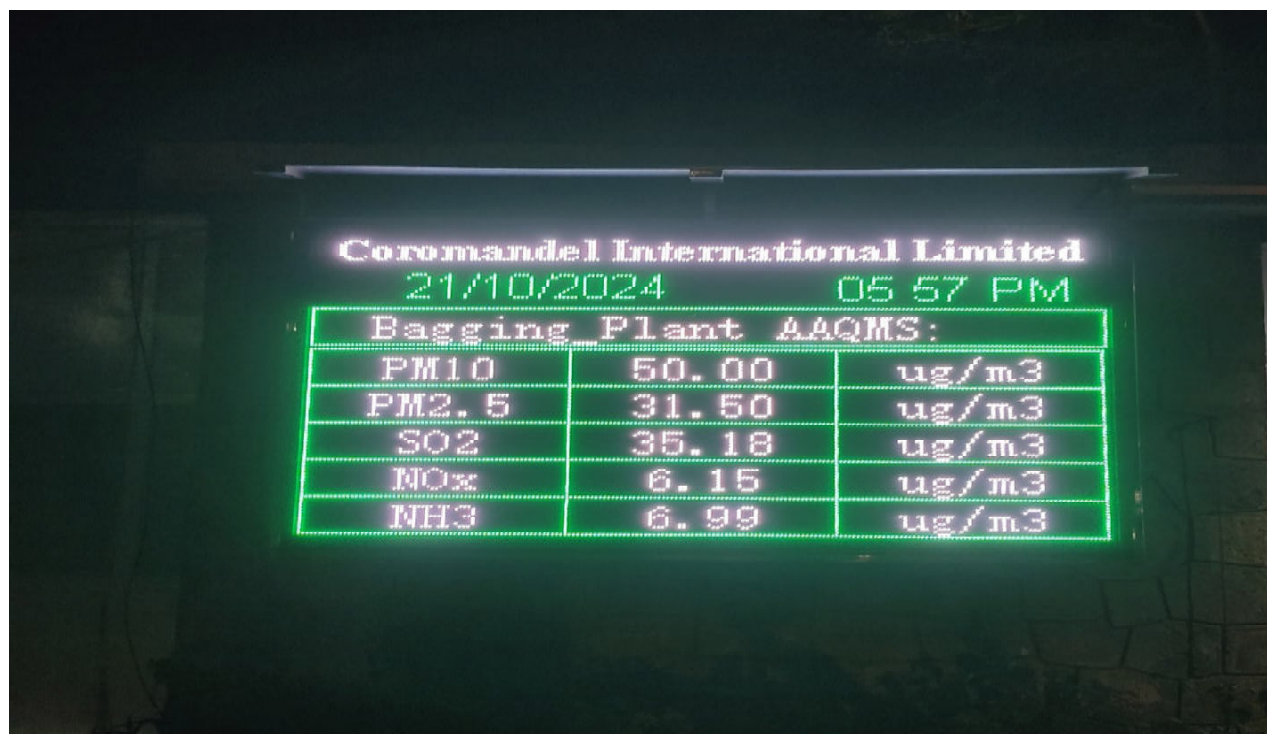
F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPA GROUP COMPANY

DISPLAY BOARD & APPCB DATA

bagging-plant AAQM



The photograph shows a digital display board with a black background and green text. At the top, it reads 'Coromandel International Limited' followed by the date '21/10/2024' and the time '05 57 PM'. Below this, a header 'Bagging_Plant AAQMS:' is displayed. A table follows with five rows of data: PM10 (50.00 ug/m3), PM2.5 (31.50 ug/m3), SO2 (35.18 ug/m3), NOx (6.15 ug/m3), and NH3 (6.99 ug/m3).

Coromandel International Limited		
21/10/2024 05 57 PM		
Bagging_Plant AAQMS:		
PM10	50.00	ug/m3
PM2.5	31.50	ug/m3
SO2	35.18	ug/m3
NOx	6.15	ug/m3
NH3	6.99	ug/m3

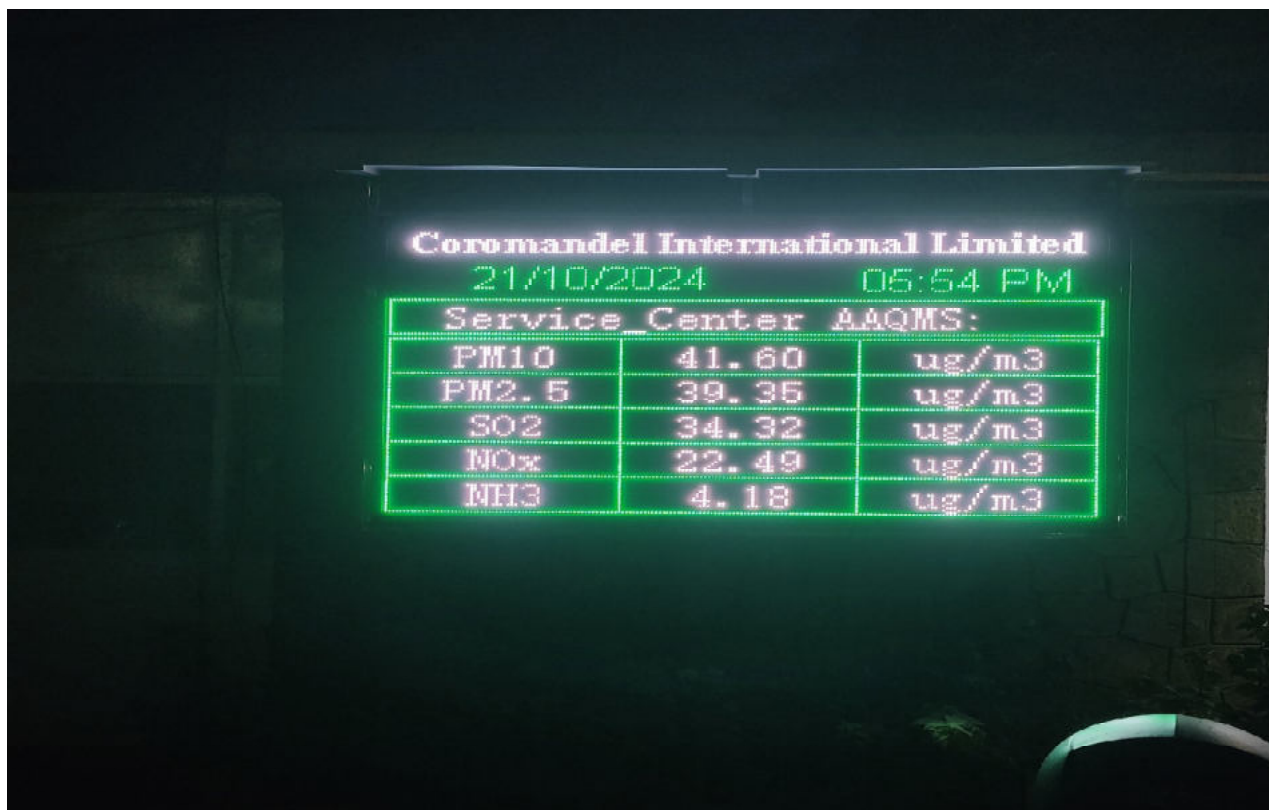
Garage AAQM



The photograph shows a digital display board with a black background and green text. At the top, it reads 'Coromandel International Limited' followed by the date '21/10/2024' and the time '05:55 PM'. Below this, a header 'Near_Garage AAQMS:' is displayed. A table follows with five rows of data: PM10 (74.78 ug/m3), PM2.5 (50.36 ug/m3), SO2 (26.60 ug/m3), NOx (8.96 ug/m3), and NH3 (0.64 ug/m3).

Coromandel International Limited		
21/10/2024 05:55 PM		
Near_Garage AAQMS:		
PM10	74.78	ug/m3
PM2.5	50.36	ug/m3
SO2	26.60	ug/m3
NOx	8.96	ug/m3
NH3	0.64	ug/m3

Service Centre AAQM



Coromandel International Limited
21/10/2024 05:54 PM

Service_Center AAQMS:

PM10	41.60	ug/m3
PM2.5	39.35	ug/m3
SO2	34.32	ug/m3
NOx	22.49	ug/m3
NH3	4.18	ug/m3

Outlet



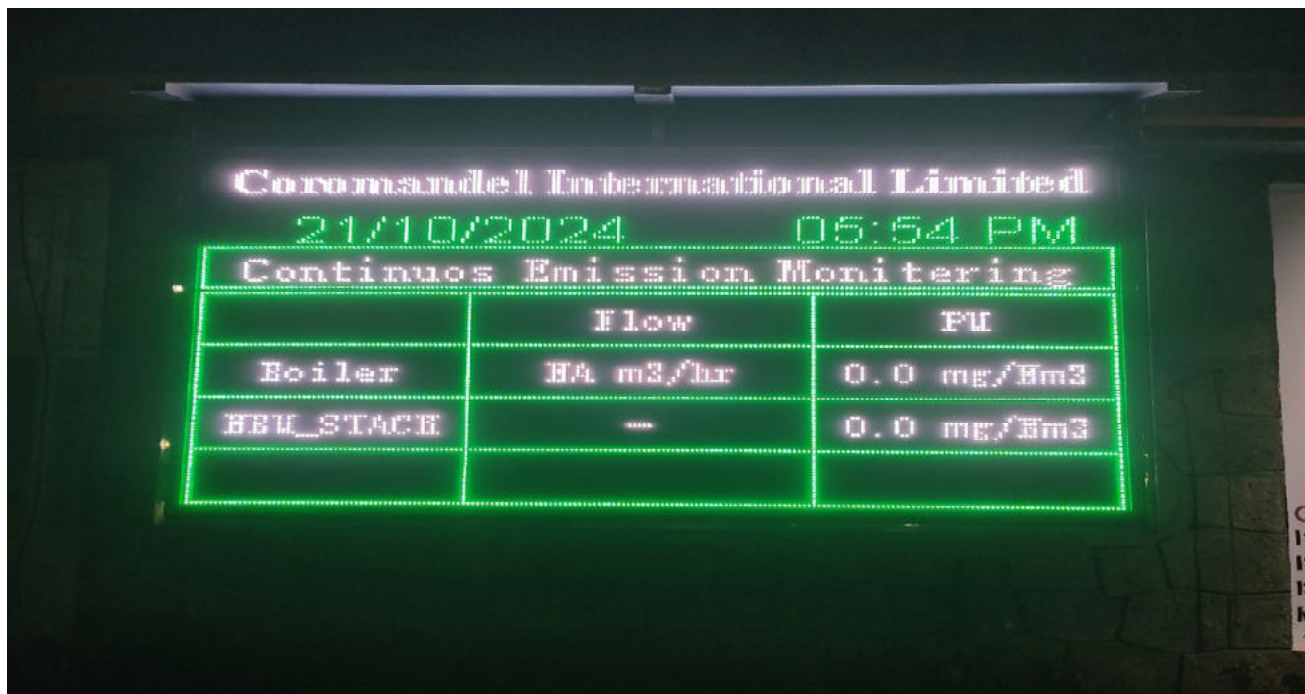
Coromandel International Limited
21/10/2024 05:54 PM

Effluent Monitoring

	Flow	pH	Fluoride
ETP_Outlet	0.0 m2/h	-	-
Final_Outlet	-	7.58 pH	-
Near_CTBD	-	-	2.2 mg/l

COROMANDEL INTERNATIONAL LIMITED
ISO 9001
ISO 14001
ISO 45001
HSE 5

Stack Emission



Coromandel International Limited
21/10/2024 05:54 PM
Continuous Emission Monitoring

	Flow	PU
Boiler	84 m3/hr	0.0 mg/Hm3
HEU_STACK	-	0.0 mg/Hm3

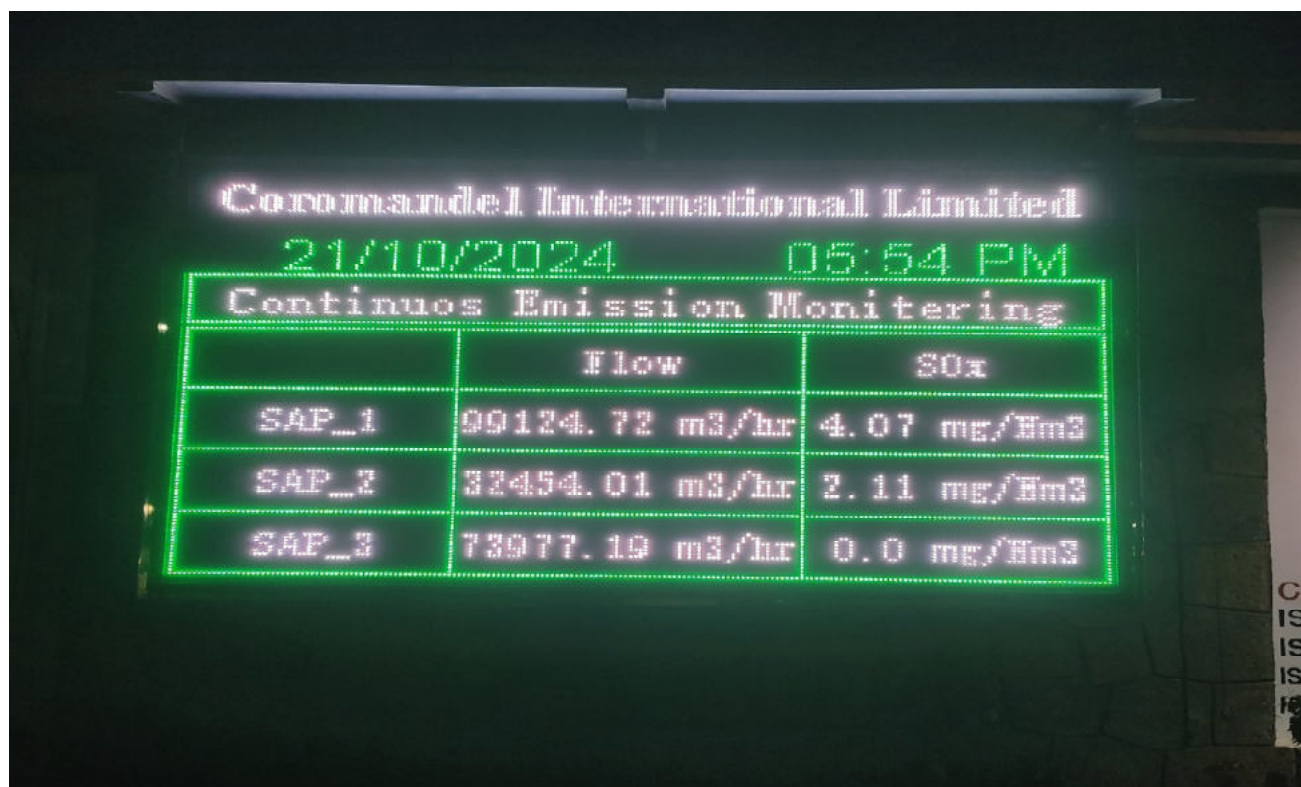
Stack Emission



Coromandel International Limited
21/10/2024 05:53 PM
Continuous Emission Monitoring

	HF	PU
PAP_STACK	0.0 mg/Hm3	25.38 mg/Hm3
PAP_2_STACK	0.74 mg/Hm3	0.0 mg/Hm3
PAP_2_HG	-	14.2 mg/Hm3

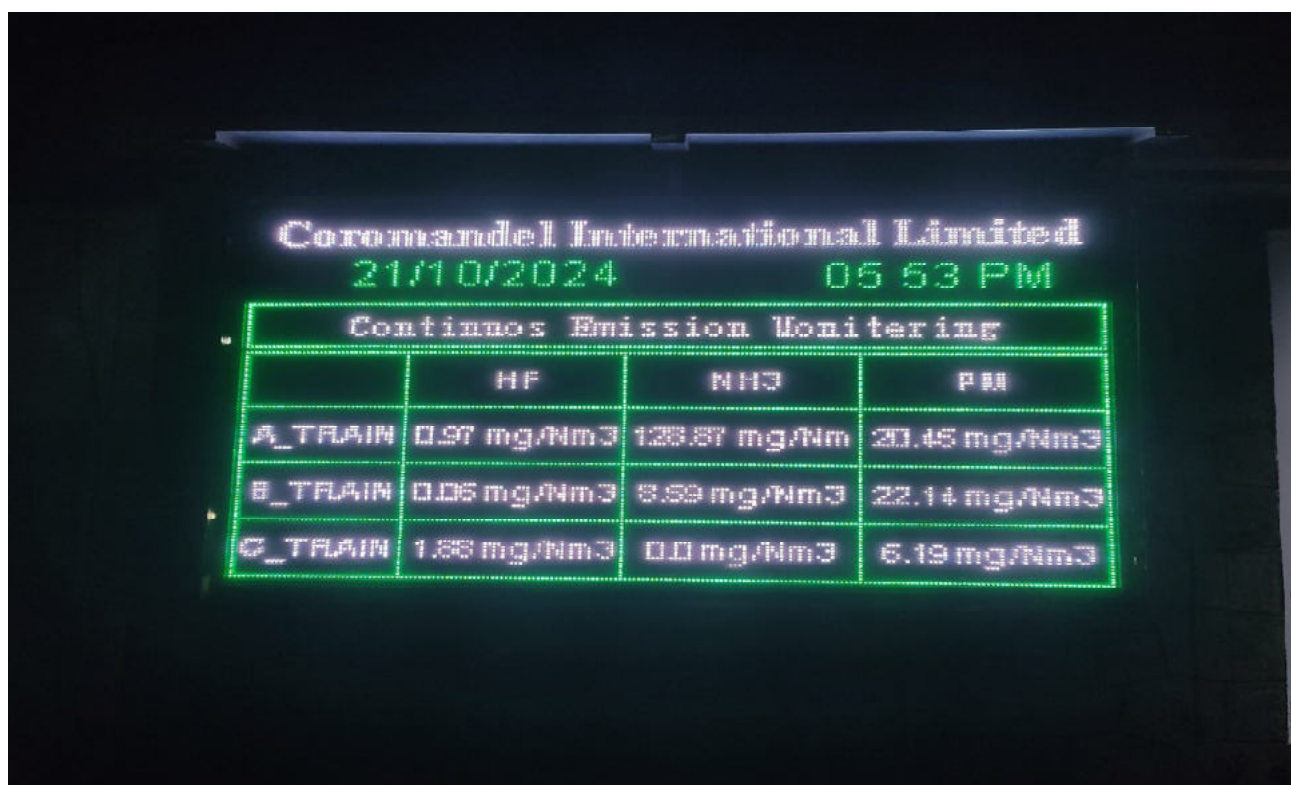
Stack Emission



The photograph shows a digital display with a green border and red text. The display shows the company name 'Coromandel International Limited', the date '21/10/2024', and the time '05:54 PM'. Below this is the title 'Continuos Emission Monitering' (sic). A table follows with three columns: an empty header, 'Flow', and 'SOx'. The table contains three rows of data for SAP_1, SAP_2, and SAP_3.

	Flow	SOx
SAP_1	99124.72 m3/hr	4.07 mg/Hm3
SAP_2	32454.01 m3/hr	2.11 mg/Hm3
SAP_3	73977.19 m3/hr	0.0 mg/Hm3

Stack Emission



The photograph shows a digital display with a green border and red text. The display shows the company name 'Coromandel International Limited', the date '21/10/2024', and the time '05:53 PM'. Below this is the title 'Continuos Emission Monitering' (sic). A table follows with four columns: an empty header, 'HF', 'NH3', and 'PM'. The table contains three rows of data for A_TRAIN, B_TRAIN, and C_TRAIN.

	HF	NH3	PM
A_TRAIN	0.97 mg/Nm3	128.87 mg/Nm3	20.45 mg/Nm3
B_TRAIN	0.05 mg/Nm3	8.59 mg/Nm3	22.14 mg/Nm3
C_TRAIN	1.88 mg/Nm3	0.0 mg/Nm3	6.19 mg/Nm3



Coromandel International Limited
 Post Box No. 1116, Sriharipuram, Malkapuram Post
 Visakhapatnam - 530 011, Andhra Pradesh, India
 Tel : 91-891-2578400
 DID : 91-891-2893+Extn No
 Website : www.coromandel.biz
 CIN : L24120AP1961PLC000892
 GSTIN : 37AAACC7852K12C

EHS/APPCB/2024-126

13th November 2024

To,

Environmental Engineer
 A.P. Pollution Control Board
 Regional Office
 Visakhapatnam – 530 018

Sub: Submission of safety audit report by Coromandel International Limited,
 Visakhapatnam –Reg.

Ref: Special condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
 Dt:04.08.2023 and Special condition number 27 in wharf area CFO order no:
 APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Dear Sir,

This is bringing to your kind information that, we have submitted the safety audit report
 by Coromandel International Limited, Visakhapatnam to the Factories Department Dated
 27.07.2024 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of
 general condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
 Dt:04.08.2023 and Special condition number 27 in Wharf area CFO order no:
 APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam

Gnanasundaram M
 Vice President & Head Manufacturing

NAG/DNR
 Enclosure: Annexure:01 Safety audit Compliance report.



EHS/APPCB/2024-126

13th November 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of safety audit report by Coromandel International Limited, Visakhapatnam –Reg.

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Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam



Gnanasundaram M
Vice President & Head Manufacturing

NAG/DNR 
Enclosure: Annexure:01 Safety audit Compliance report.

O/C

27.07.2024

EHS/DCIF/2024-25/July-03

To
The Deputy Chief Inspector of Factories,
Door No. 50-50-35/8, Guru Charan Marg,
BS Lay Out, Seetammadhara,
Visakhapatnam - 13.

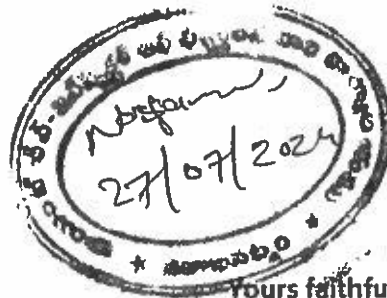
Sub: Submission of External Safety Audit for the year 2024 report & compliance status - Reg.
Ref: Inspection Order Dated : 12.01.2024

Dear Sir,

With reference to the above-mentioned subject, we are here with submitting the External Safety Audit for the year 2024 report conducted by M/s Lumen Engineering Associates at Coromandel International Limited, Visakhapatnam along with compliance status for your records.

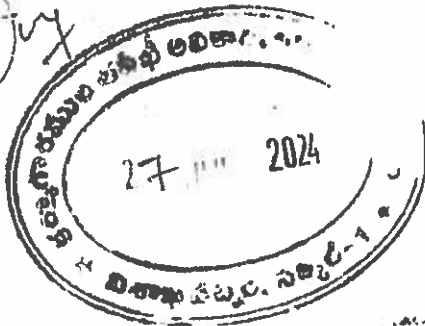
Kindly acknowledge the receipt of the same.

Thanking you Sir,

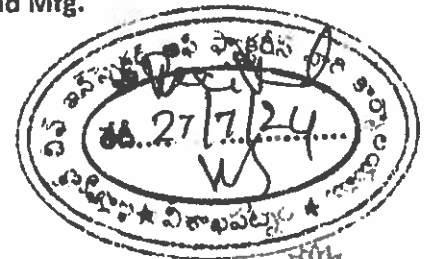


Yours faithfully,
For Coromandel International Limited,


M Gnanasundaram,
VP & Head Mfg.



The Joint Chief Inspector Of Factories, Visakhapatnam.
The Inspector Of Factories, Visakhapatnam.



Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
1	Recommending allotting parking area for visitors and other vehicles at wharf silo area and mark pathway for the vehicles and men movement to avoid any incidents.	Noted and will be followed. Parking area for visitors and other vehicles at wharf silo area will be identified and pathway will be marked to avoid incidents. TCD: 31.10.2024
2	MSDS in short form (Important precautions) of Ammonia and other chemicals to be displayed.	Complied Mini MSDS / One Page MSDS prepared for ammonia, Phosphoric Acid, Sulphuric Acid and displayed at prominent location.
3	Walkway Handrails on jetty to be strengthen towards the sea water side. While carrying any work by either contract or permanent staff at the edges of jetty, provide life jackets at the site of activity instead of bringing them from control room after an incident.	Complied Corroded Handrails repair job done, and Life buoys placed at fertilizer berth in case of any untoward incident.
4	Diesel tank for fire pump to be equipped with a vent and Secondary containment for the diesel tank leaks to be arranged.	Noted and will be followed. Job Planned and targeted to complete the same by TCD - 15.08.2024
5	Diesel engine provided for fire water pumps should in auto mode.	Noted and will be followed. Installation of new pumps (Same capacity with enhanced pump head)- procurement under progress. TCD - 30.09.2024
6	Signages representing Diesel storage, No Smoking etc., to be displayed.	Complied Signage Boards / Paintings provided.
7	Painting frequencies to be increased as Corrosion levels are high at Molten sulphur Pipeline supporting structure running along the jetty.	Noted and will be followed. TCD - 31.08.2024
8	The contract personnel working at the area are to be briefed about the hazards of ammonia and the control measures to be taken in case of ammonia release and the assembly points they need to go in case of emergency.	Complied Hazards of ammonia and control measures are being briefed in daily pep talks and also during ammonia ship unloading in presence of Operations team and Safety team.
9	Regular Painting to be done to avoid Conveyor structure corrosion which was observed during audit rounds.	Noted and will be followed : TCD - 10.08.2024
10	Recommending study on Lightening protection for total wharf area by an expert team and implement the recommendations.	Complied Lightening protection study has been carried out for overall plant.

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
11	Maintaining checklist prior to the Ammonia ship unloading activity is found to be good practice. So also, it is being signed by the Naval officers.	Good practices are being followed
12	GATE # 8, damaged boundary wall observed leading to trespassing into the approved factory premises.	Noted and will be followed. Temporary fencing done and construction of boundary wall being followed by IOCL. TCD- 30.12.2024
13	GATE#8, New rock Silo - Civil reinforcement rods are exposed around the silo. Stability of the silo is at stake.	Noted and will be followed. Scaffolding work initiated for Civil works at silo area TCD: 30.10.2024
14	Gate No#8: Rock silo vertical ladder is corroded. All vertical ladders are to be provided with vertical life lines with fall arresters.	Noted and will be followed. Work initiated and under progress. TCD-30.08.2024
15	Recommended to provide water curtain/mist system at crossover bridge at Gate No:8&9.	Complied water curtain provided crossover bridge at Gate No:8&9.
16	Zebra lines are to be marked with display boards on the road at	Complied Zebra lines marked & Safety Signages displayed
17	Which are the rooms are not having stability certification by the competent person under Rule 12c of Factories Rules.	Complied Stability certification done by the competent person under Rule 12c of Factories Rules.
18	Authorized person, electrical license holders list is not displayed in any of the MCC , panel rooms.	Complied License holders displayed.
19	Wharf transformer area - walk way blocked. (cut tree branches and vegetation)	Complied Debris cleared and Vegetation removed. Walkway is now clear.
20	Silica gel not in good condition at the breather of transformer	Complied. Silica gel replaced.
21	250 KV - DG set exhaust not as per the PCB - stack height norms.	Noted and will be followed. Work initiated TCD: 30.12.2024
22	WHARF berth area (ELECTRICAL Panel beside - FIRE WATER DIESEL ENGINE) - no rubber mat. Panel is exposed to rain water splashing.	Complied Rubber mat provided.
23	Nitrogen vessels, air receiver tanks and adsorbers are to be tested and certified by the competent person under Rule-56 of Factories Rules.	Complied. Inspection is carrying out by certified competent person in regular intervals as per AP factory rule

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
		56. Thickness monitoring: Once in every 6 months. Hydrotest: Once in every 2 years.
24	Safety relief valves are to be tested and record is to be maintained.	Complied Safety relief valves tested by competent person and records being maintained.
25	Fire hydrant line at this area is corroded, required to be updated.	Complied Fire hydrant line painting works under progress TCD:30.09.2024
26	Air Receivers, Nitrogen receives, pressure plants are to be hydrostatically tested and certified by the competent person once in two years as per Rule-56 of Factories Rules , if the equipment is under factories approved plan.	Complied. Inspection is carrying out by certified competent person in regular intervals as per AP factory rule 56. Thickness monitoring: Once in every 6 months. Hydrotest: Once in every 2 years.
27	It the equipment's falls under dock area: all the equipment's like lifting equipment's, safety belts, pressure vessels, Hoses, Lifting Cages, pipe lines, etc., to be certified by the Dock Labour Act.	Complied. Inspection is carrying out by Dock safety certified competent person in regular intervals. Thickness monitoring: Once in every 6 months. Hydrotest: Once in every 2 years.
28	Damaged wire rope sling was observed on the rack at jetty.	Complied. Removed and sent to scrap yard for disposal through assembly.
29	Recommended to have Air/Gas tight cabins/control rooms for the persons who are continuously on the jetty may get direct exposure to the ammonia.	Noted and will be followed. Suitable vendor will be explored for Air/Gas tight cabins/control rooms at jetty area. TCD – April 2025
30	Auto water curtain/mist system is required to be provided at MOV.	Noted and will be followed. MOV procurement under progress. In Meanwhile provided with manual isolation valve. TCD-30.09.2024
31	Molten Sulphur Tanks: H ₂ S gas detection with alarm system is required to be provided at the top of the tank.	Noted and will be followed. Portable gas detectors are readily available . Procurement of fixed gas detectors will be installed TCD- 30.11.2024
32	Molten Sulphur Tanks: Dry creepers running on live electrical lines could lead to fire hazard,	Complied.

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
	recommending exterminating dry grass creeping onto electrical lines.	Regular maintenances were done and being followed.
33	Molten Sulphur Tanks: Vegetation around the Tanks to be scrapped at regular intervals or Consider paving the area with cement / concrete, to avoid vegetation growth.	Complied. Being followed
34	Auto CO2 flooding system is recommended to provided for all electrical panels.	Noted and will be followed. Installation of fire suppression system at AAST Area works started. TCD: 30.03.2025
35	LSHS & LDO tanks : flooring is required to be done inside the dyke (Wharf).	Noted and will be followed. Budget estimated and work initiated for flooring inside dyke area. TCD:30.11.2024
36	Boiler control room: smoke detection with alarm system is to be provided.	Noted and will be followed. Smoke detectors procurement in progress TCD: 30.10.2024
37	Ammonia Storage Tanks are to be provided with water curtain/Mist system to cover the entire tank from top to bottom.	Complied. Provided the Water curtain and Oscillating Monitor system as per M/S Chola Design and Risk assessment.
38	It is strongly recommended that an advanced continues monitoring system to be adopted for the entire ammonia pipeline from jetty to plant.	Noted and will be evaluated. Evaluation and Discussions for the proposal in progress TCD:30.03.2025
39	It was observed that at present condition monitoring system of the ammonia pipe lines , ammonia tanks, valves and other ammonia handling equipments found to be not as per the inspection standards.	Complied. Inspection is carrying out by Dock safety certified competent person in regular intervals.Thickness monitoring: Once in every 6 months.Hydrotest: Once in every 2 years.
40	All the pressure vessels or plant are to be certified by the competent person as per Rule-56 of A.P.Factories Rules.	Complied
41	Quantitative risk assessment is required to be conducted for the ammonia handling system with various scenarios including worst case scenario.	Noted and will be followed. Quantitative risk assessment by M/s DNV is Under progress (Site assessment completed and report preparation is under progress). TCD: 30.11.2024

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
42	Recommended to weld the primary flanges at the top of the AAST.	Noted and will be followed. Planned during De-commissioning of Ammonia tank TCD:30.05.2025
43	All the safety relief valves provided in ammonia handling system are to be tested and to be certified by the competent person at least once in a year.	Complied. Safety relief valves are testing once in a year and witnessing by competent person.
44	Ship unloading control station sprinkler system is corroded, it is to be attended.	Complied Painting completed for the corroded area.
45	Walk way supporting legs and other fitting which are corroded are to be replaced at the earliest at the top of the tanks.	Noted and will be followed. Planned during De-commissioning of Ammonia tank TCD:30.05.2025
46	Ammonia receiver and condenser at compressor area are to be provided with water curtain system.	Complied Water curtain provided.
47	Recommending reviewing painting intervals to avoid Flair stack structure corrosion.	Complied. Paintings intervals being reviewed.
48	SOP's of safe handling of LPG and Signages denoting storage of LPG, Do's and Don'ts along with No-smoking to be displayed.	Complied. Safety signages provided.
49	Sprinkler system above LPG cylinders to be studied.	Complied. Manual water Sprinklers provided.
50	Flange bonding is required to be provided for LPG pipe line flanges.	Noted and will be followed. Few damaged flanges bonding were replaced and remaining will be completed. TCD:30.08.2024
51	Non destructive testing to be conducted for all LPG pipe lines to know the condition of the pipe lines.	Complied. Visual inspection for every 6 months, and thickness monitoring, NDT for every 2 years as per PSMS.
52	Hydrostatic pressure testing to be conducted at least once in five years for the LPG pipe lines and record is to be maintained.	Noted and will be followed. TCD: April 2025
53	Safe Unloading procedure need to be displayed in bilingual language which could be understand by locals and others.	Noted and will be followed. Procedure available and same will be displayed in bilingual language. TD: 15.09.2024

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
54	Corrode flanges won't be allowing static discharge, recommending replacing MS flanges with SS to allow static continuity.	Noted and will be evaluated.
55	Lightening arrestors to be marked on a plant layout individually according to the installed locations with covering diameter to get a clear understanding that total plant locations are covered and protected from lightening.	Noted and will be evaluated TCD 28.09.2024
56	All the pipelines need to be painted according to IS-2379-1990 along with flow directions.	Noted and will be followed. TCD : 10.08.2024
57	Condition monitoring of all storage tanks and Pipe lines to be monitored at regular intervals like NDT tests like Di-penetration test.	Complied Visual inspection for every 6 months, and thickness monitoring, NDT for every 4 years as per PSMS.
58	As tanks roof condition may not estimated, recommending in providing separate walkway to reach maintenance areas at top of the tanks.	Complied For sulphuric acid tanks, We are using robotic crawler for accessing the thickness of the tank roofs wherever platforms not available.
60	Lots of vegetation growth and tall trees are inside the PESO approved tank farm area -LSHS Tank Area	Complied. All Trees are cut removed and fencing installed as per PESO guidelines.
61	Hand rail on the top of the storage tanks are corroded, it is to be replaced-LSHS ,HSD tank area -TG/DG area.	Noted and will be followed. Corroded handrails will be replaced. Work initiated. TCD: 25.08.2024
62	Hazard Analysis and Risk Assessment (HARA) report with various threat zones is required to be prepared and implemented.	Complied.
63	PESO license with expiry date is required to be displayed on the tank.	Complied. Displayed on PESO tanks at SAP3 area.
64	Tank area flooring is required to be done inside the dyke.	Complied. Flooring provided for kerosene tank.
65	SOP's of safe handling of LPG and Signages denoting storage of LPG, Do's and Don'ts along with No-smoking to be displayed.	Complied. Safety signages provided.
66	Sprinkler system is required to be provided inside the LPG storage cylinders.	Complied Manual Sprinklers provided

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
67	License is required to be displayed at the entrance of the room	Complied. Displayed PESO license.
68	Recommended to provided static discharge pads before entering into room.	Noted and will be followed. TCD - 30.09.2024
69	Door earthing is required to be done for main door of the storage room.	Complied.
70	LPG leak detector calibration tag is to be maintained.	Complied. Tag Provided.
71	Cylinders are to be chained.	Noted and will be followed. Work in progress TCD: 10.08.2024
72	Noise levels to be Monitored, recorded and displayed at all locations with PPE (ear plugs) if necessary.	Complied.
73	Sulphuric acid piping flange guards are found damaged / hanging out of the flange, at some locations, recommending replacing the same.	Complied
74	It was observed that batteries are at C-Train control room, These batteries are to keep in separate room.	Noted and will be followed. Action for Separate room for batteries are planned. TCD: 30.11.2024
75	Ammonia flow control station & pressure control valve station: it is required to provided water curtain system and safety relief valves are to be tested, record is to be maintained.	Complied
76	Driers are to be certified by the competent person under Rule-61O of A.P. Factories Rules.	Complied Complex Dryer is not suitable for Rule 61(O) because it is not a flammable or explosive mixture of air and a flammable substance. Hot air is used as the drying medium, and there is no fuel or combustion process, eliminating any scope for an explosive mixture.
77	Usage of Wheel chocks to be mandatory during unloading molten sulphur and also a horizontal lifeline for hooking Full body harness during climbing onto vehicle.	Noted and will be followed. Usage of Wheel chocks are using as mandatory during unloading molten sulphur and Horizontal lifeline for hooking Safety harness planned : TCD :April 2025
78	It was observed that wheel blocks are not provided to the truck unloading the molten sulphur. Provide	Noted and will be followed. TCD : 20.08.2024

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
	instructions display at the area regarding unloading of the molten sulphur and also hazards during unloading of molten sulphur. Also consider a horizontal life line for hooking Full body harness during climbing onto vehicle.	
79	Dyke volume is required to be maintained based on the number of tanks and capacities.	Noted and will be followed. Detailed study for dyke volume calculations under progress with technical team TCD: 30.04.2025
80	Safe handling procedure need to be displayed in bilingual language which could be understand by locals and others.	Complied Displayed Safe handling procedure
81	Consider providing life lines with fall arrestor system for opening man holes of road tankers.	Noted and will be followed. Lifeline system provided at bagging trucks area and road tankers will be initiated. TCD: April 2025
82	Condition monitoring of all storage tanks and Pipe lines to be monitored at regular intervals like NDT tests like Di-penetration test.	Complied. Visual inspection for every 6 months, and thickness monitoring, NDT for every 4 years as per PSMS.
83	All chemical storage tanks, pipe lines are to be tested and certified by the competent person under Schedule XV, Rule-95 of A.P>Factories Rules.	Complied. Inspection is carrying out for every 2 years by certified competent person.
84	Consider preparing and displaying Compatibility chart at all Raw material stores and basing on it stacking to be initiated.	Complied Displayed the compatibility chart at prominent locations
85	Firefighting facilities are required to be provided as per the standard requirements.	Noted and will be followed. Projects of Fire Hydrant Phase 2A and 2B under progress. TCD: 30.11.2024
86	Storage racks are to be tested and certified by the competent person.	Noted and will be followed. TCD : 20.08.2024
87	Material handling procedure is to be developed for various type of materials.Cold room: It is required to have through study on safety of materials storage inside the cold room	Noted and will be followed. Study on cold room storage will be carried out TCD:30.12.2024
88	1. As per Building Regulations Act 1989, buildings below 15 years of age, need to obtain Stability	Complied

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
	Certificate once in every 5 years and if the buildings are above 15 years of age need to obtain Stability Certificate once in every 3 years, So Consider conducting Structural Stability tests for buildings accordingly by a Factories department approved competent person.	As per PSMS - sop once in 3 years we are taking stability certification from 3rd party approved agency from IF.
89	Recommending conducting Illumination, Noise and Ventilation survey reports at necessary locations	Complied. Being carried out
91	According to Factories rules-56 , all air receivers/pressure vessels must be Hydro tested once in every two years in presence of Competent person.	Complied.
92	All chemical storage tanks must be certified by a competent person	Complied. Inspection is carrying out for every 2 years by certified competent person.
93	Recommending integrity check for all pipe lines at regular intervals .	Complied. Visual inspection for every 6 months, and thickness monitoring, NDT for every 4 years as per PSMS.
94	It was observed that one of the hydraulic mobile crane not meeting the required safety standards.	Noted will be evaluated. Procurement of all Spares parts under progress. TCD: 30.10.2024
95	Smoke detectors with alarm system could be placed inside all Electrical panel rooms.	Complied
96	Conducting Thermography tests for Electrical cables could lend a hand in identifying heat generating at joints and terminations	Complied
97	consider conducting Arc Flash analysis and marking threat zones on ground in front of electrical panels.	Noted and will be followed. Arc flash study will be conducted 2024 TCD:30.11.2024
98	Lightening arrestors to be marked on a plant layout individually according to the installed locations with covering diameter to get a clear understanding that total plant locations are covered and protected from lightening.	Complied
99	All license holders names with contact numbers to be displayed in MCC rooms.	Complied

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
100	Recommending pasting of Inspiring Road Safety Signage's with Speed limit boards at entrance of the factory	Complied
101	Road crossing systems like Zebra crossing system, pedestrian walk ways to be implemented at all intersections	Complied
102	Speed control bumps/speed breakers needs to be places at critical turnings & People crossings.	Complied
103	Convex mirrors at blind corners needs to be placed.	Complied
104	According to Factories rules entire plant evacuation mock drills are being conducted once in every six months. But still some lapses are observed, it is to be strengthen.	Complied Awareness training provided to employees and contract workmen on ERP.
105	Emergency Siren codes to be displayed at Siren location and other important locations of the plant and also this siren codes to be displayed at security.	Complied Displayed
106	Recommending improving Personal Protective Equipment usage in the plant.	Complied
107	Safety goggles adherence is not strictly followed., many areas in the operational zones, Contract workmen are not adhering to wear goggles.	Complied and being followed
108	EHS dept., does not have a consolidated report of SAFETY BELTS used in the plant., there is no traceability of contractor brought out SAFETY BELTS w.r.t TPI inspection & certification.	Complied
109	Cotton hand gloves provided for the workmen are not meeting the IS : 6994 (Part 1) - 1973 standards. (SPECIFICATION FOR INDUSTRIAL SAFETY GLOVES PART I : LEATHER AND COTTON GLOVES).	Noted and will be followed. New model canadila hand gloves procurement under progress. TCD:20.08.2024
110	Existing Fire Hydrant system is inadequate, there should a thorough study on fire hydrant system and implementation.	Complied Hydraulic Analysis and Study design completed by M/S Chola.
111	Consider conducting Fire load calculations according to IS-15301:2003, and NFPA-557, to know the fire load in the plant and for updating the hydrant system.	Complied Water Demand Calculation Report Available.
112	Approach towards all Hydrant and Monitor points should be made clear with a platform to operate at hydrant and monitor points.	Complied

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
113	F-rods could be hanged at all hydrant point for operating the hydrant wheel at ease during emergencies.	Complied.
114	The Current trailer pump is found to be multiple mechanical breakdowns due to diesel engine - residual life. The suction side of the pump is subjected to frequent failure. Recommendation to evalaute the procurement of new Fire Trailer Pump, considering as one of the Safety Critical equipment for the Factory.	Complied Presently Pump Overhauling done by Garage and Assembly team, Now its in Working condition.
115	In view of the expanded plant operational zones adding SAP#3 & DESALINATION plant areas and the increased work load w.r.t no. of fire inspections carried out by the existing team of 17 fire team personnel are insufficient. Recommended to increase the manpower turn per tender / 04 persons shift i.e., with 02 fire tenders , 08 Fire crew & 01 leading fire man = 09 persons/shift , Fire team.	Noted and will be followed. Proposed for the Manpower at higher authorities. TCD:30.04.2025
116	Recommending high Visibility Jackets for all Security personals for clear identification during nights.	Complied
117	And also hand operating signal lights (LED baton) could be procured for Security personnel for night operations.	Complied
118	Recommending conducting frequent mock drills and ensuring headcount availability with the security, making them flawless during real emergencies.	Complied
119	License obtained from Dy Chief Inspector of factories with approved HP 83117.70 HP, but the actual HP during the latest Factory plan approval - LAE05-11021(35)/15/2024-A SEC-DOF, dated: 01/02/2024 is stated as 83447.3 HP. There is a variation of 330 HP. Amend the Factory license, with the increase in HP.	Noted and will be followed. Work in progress TCD: 10.08.2024
120	Ventilation study of the LFP bottling plant to be carried (NANO DAP) bottling plant. Production line vapours generation is observed. (mild Ammonia vapors) - DAP section - water dissolving stage free ammonia will prevail. through study & checks on the Stability of the soil to be done and suitable measures to be adopted.	Noted and will be followed. Noted will be taken in the calendar year TCD: April 2025

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
121	Certain areas of the Factory, poor illumination is observed in GARAGE AREA, DG/TG - PESO storage facility. Illumination survey report to be furnished stating that ILLUMINATION LEVELS of all those interior parts of a factory where persons are regularly employed shall not be less than 65 LUX.	Complied
122	The factory is consisting of 28 sheds used for various raw material, finish product storage, warehouse, workshop etc., the roofing of the sheds are Asbestos / metal roof sheeting Not adequate arrangement for fixed roof lifeline system over the roof for secure workmen movement. Fixed roof lifeline system , must be implemented towards securing of workmen working over the fragile roofs.	Noted and will be followed. Phase wise implementation started fixed roof line system is under progress TCD:30.04.2025
123	The LOCO engine (CIL - Asset) is having issue with brakes. The locomotive brakes are not working properly.	Complied We had adjusted the Brake levers length and replaced all Brake shoes with new. Now Brakes are working normal.
124	The LOCO engine (CIL - Asset) is observed with running speed more than the permitted 7 km/hr as per the standards.	Complied
125	Gate#6 - railway level crossing at : Swinging gate and blinking light with Alram provision gate#7 (HPCL) - railway level crossing at : Swinging gate and blinking light with Alram provision.	Noted and will be followed. We have already installed it at Gate 5 with all requirements. It is currently under observation. Furthermore, we are planning installations at Gates 6 and 7. TCD: 30.03.2025
126	It is an important that all the legal requirements are required to be maintained centralised and localised. These requirements are to be monitored by the any one of the department head.	Noted and will be followed. Law orbit software compliance is rolled out where in all the legal requirements required are maintained centralised and localised. Monitoring done through online TCD:30.12.2024

EHS/APPCB/2024-33**Dated:22/04/2024**

To
The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -18

Dear Sir,

**Sub: Submission of Coromandel International Limited, SAP-03 & Desalination Plant
Fire NOC's – Reg.**

Ref: i) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023

With reference to above as per the above-mentioned CFO order special condition number: 48
, we are herewith submitting below listed Fire NOC's given by the Andhra Pradesh State
Disaster Response and Fire service department.

S. No	Name of the plant	Letter no.	Validity Date
1	Coromandel International Limited (SAP-03 & Desalination Plant, Visakhapatnam	File.No.20042/VSP/MSB/2023, Dated: 15/11/2023	14.11.2025

This is for your kind information & Records
Thanking you,

Yours faithfully,
For **COROMANDEL INTERNATIONAL LIMITED**



Gnanasundaram M
Vive President & Head of Manufacturing



NAG/DNR

Encl: Fire NOC copy

Government of Andhra Pradesh
A.P. State Disaster Response and Fire Services Department

No Objection Certificate for Occupancy

To
The District Industrial Center,
Visakhapatnam
Sir/Madam,

File No: 20042/VSP/MSB/2023

Date: 15/11/2023

Sub: Andhra Pradesh State Disaster Response and Fire Services Department - No Objection Certificate for Occupancy to the existing / newly constructed Multi Storeyed Building (Coromandel International Limited, Visakhapatnam) NAGARAJU D, Coromandel International Limited Sriharipuram - Regarding.

- Ref: 1. Online Application Dt. 04-11-2023 , NAGARAJU D, Coromandel International Limited Sriharipuram
2. Online Inspection Report submitted by Officers of this Department on 18-10-2023.

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It is to inform that NAGARAJU D applied for No Objection Certificate on 04-11-2023 for Occupancy to the existing / newly constructed Multi Storeyed Building for Coromandel International Limited, Visakhapatnam at Coromandel International Limited Sriharipuram. The officers of the department have scrutinized the information, documents and plans submitted by the applicant along with the undertaking provided by the applicant, and have submitted the following report.

Fire Station

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 4.5 Mtrs for Industrial Occupancy (Category - G1) in a total plot area of 1214100.00 sq. meters.
3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Bulder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
1	Internal Staircases	0 No. - 0.00 Meters
2	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	113.5	Industrial	11	11	0.11	0.00
	Total	113.5		11			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	1 Nos.	1 Nos.
2	Hose Reel Systems	1 Nos.	0 Nos.
3	Terrace Tank	20000 Ltrs	20000 Ltrs
4	Booster Pump		
5	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	1 / 1	1 / 0				-- / --	-- / --	-- / --					
	Total	1 / 1	1 / 0	-- / --	-- / --	-- / --	0 / 0	0 / 0	0 / 0	-- / --	20000 Ltrs / 20000 Ltrs	450 LPM / 450 LPM	-- / --	-- / --

- Provide ABC 5 kg/6 kg fire extinguishers

Sulphuric Acid Tank

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 13.25 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
2	Internal Staircases	0 No. - 0.00 Meters
3	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	3354.4	Industrial	335	335	3.35	0.00
	Total	3354.4		335			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	34 Nos.	34 Nos.
2	Hose Reel Systems	7 Nos.	0 Nos.
3	Wet Riser	7 Nos (For Each Floor)	7 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	373 Nos.	0 Nos.
6	Automatic Detection & Alarm System	60 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	34 /34	7 /0				373 /0	4 /0	60 /0					
	Total	34 /34	7 /0	7 Nos (For Each Floor) /7 Nos (For Each Floor)	-- /--	YH_30_YH /YH_30_YH	373 /0	4 /0	60 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note-11 /Note-11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Technical Building

2. The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
3	Internal Staircases	1 No. - 1.50 Meters
4	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	415	Industrial	41	41	0.41	3.00
2	First Floor	415	Industrial	41	41	0.41	3.00
	Total	830		82			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	10 Nos.	10 Nos.
2	Hose Reel Systems	2 Nos.	2 Nos.
3	Automatic Sprinkler System	71 Nos.	71 Nos.
4	Terrace Tank	20000 Ltrs	20000 Ltrs
5	Booster Pump	900	900
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	5/5	1/1				36/36	--/--	--/--					
2	First Floor	5/5	1/1				35/35	--/--	--/--					
	Total	10/10	2/2	--/--	--/--	--/--	71/71	0/0	0/0	--/--	20000 Ltrs / 20000 Ltrs	--/--	900 / 900	--/--

- Provide ABC 5 kg/6 kg fire extinguishers

Center of Excellence Building (COE)

2. The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

SI	Details of Staircases	Provided Nos / Meters
4	Internal Staircases	1 No. - 1.50 Meters
5	External Staircases	1 No. - 1.50 Meters
Total		3 Meters

5. The builder has proposed to provide Occupant Load :

SI	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	462	Industrial	46	46	0.46	3.00
2	First Floor	462	Industrial	46	46	0.46	3.00
	Total	924		92			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

SI	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	10 Nos.	10 Nos.
2	Hose Reel Systems	2 Nos.	2 Nos.
3	Automatic Sprinkler System	78 Nos.	78 Nos.
4	Terrace Tank	20000 Ltrs	20000 Ltrs
5	Booster Pump	900	900
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

SI	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	5 / 5	1 / 1				39 / 39	-- / --	-- / --					
2	First Floor	5 / 5	1 / 1				39 / 39	-- / --	-- / --					
	Total	10 / 10	2 / 2	-- / --	-- / --	-- / --	78 / 78	0 / 0	0 / 0	-- / --	20000 Ltrs / 20000 Ltrs	-- / --	900 / 900	-- / --

- Provide ABC 5 kg/6 kg fire extinguishers

Desalination Plant,

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

SI	Details of Staircases	Provided Nos / Meters
5	Internal Staircases	0 No. - 0.00 Meters
6	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

5. The builder has proposed to provide Occupant Load :

SI	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground floor	5400	Industrial	540	540	5.40	0.00
	Total	5400		540			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

SI	Fire Safety System	Proposed as per PNOG	Provided
1	Fire Extinguishers	54 Nos.	54 Nos.
2	Hose Reel Systems	11 Nos.	0 Nos.
3	Wet Riser	11 Nos (For Each Floor)	11 Nos (For Each Floor)
4	Yard Hydrants	YH_45_YH	YH_45_YH
5	Automatic Sprinkler System	450 Nos.	0 Nos.
6	Automatic Detection & Alarm System	96 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground floor	54 /54	11 /0				450 /0	6 /0	96 /0					

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
	Total	54 /54	11 /0	11 Nos (For Each Floor) /11 Nos (For Each Floor)	-- /--	YH_45 _YH /YH_45 _YH	450 /0	6 /0	96 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- Provide ABC 5 kg/6 kg fire extinguishers
- Provide 1 Yard Hydrant for every 45 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

HSD Area & Air Compressor Shed

- The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 5.4 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
6	Internal Staircases	0 No. - 0.00 Meters
7	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

- The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	554.34	Industrial	55	55	0.55	0.00
	Total	554.34		55			

- The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	8 Nos.	8 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
2	Hose Reel Systems	2 Nos.	0 Nos.
3	Wet Riser	2 Nos (For Each Floor)	2 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	62 Nos.	0 Nos.
6	Automatic Detection & Alarm System	10 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl.
1	Ground Floor	8 / 8	2 / 0				62 / 0	1 / 0	10 / 0					
	Total	8 / 8	2 / 0	2 Nos (For Each Floor) / 2 Nos (For Each Floor)	-- / --	YH_30_YH / YH_30_YH	62 / 0	1 / 0	10 / 0	150000 Ltrs / 150000 Ltrs	20000 Ltrs / 20000 Ltrs	Note-11 / Note-11	-- / --	-- / --

- Wet Riser / Down Comer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

TG 3 & TG 3 Cooling Tower

- The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 8.75 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
7	Internal Staircases	1 No. - 1.50 Meters
8	External Staircases	1 No. - 1.50 Meters
Total		3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground floor	1632	Industrial	163	163	1.63	3.00
2	First Floor	805.7	Industrial	80	80	0.80	3.00
	Total	2437.7		243			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	26 Nos.	26 Nos.
2	Hose Reel Systems	6 Nos.	6 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_45_YH	YH_45_YH
5	Automatic Sprinkler System	204 Nos.	204 Nos.
6	Manually Operated Electric Fire Alarm System	3 Nos.	3 Nos.
7	Automatic Detection & Alarm System	45 Nos.	45 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground floor	17 /17	4 /4				136 /136	2 /2	30 /30					
2	First Floor	9 /9	2 /2				68 /68	1 /1	15 /15					

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
	Total	26 /26	6 /6	4 Nos (For Each Floor) /4 Nos (For Each Floor)	-- /--	YH_45 _YH /YH_45 _YH	204 /204	3 /3	45 /45	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- Provide ABC 5 kg/6 kg fire extinguishers
- Provide 1 Yard Hydrant for every 45 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Cooling Tower

- The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 10.9 Mtrs for Industrial Occupancy (Category - G1) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
8	Internal Staircases	0 No. - 0.00 Meters
9	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

- The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1595.8	Industrial	159	159	1.59	0.00
	Total	1595.8		159			

- The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	8 Nos.	8 Nos.
2	Hose Reel Systems	4 Nos.	0 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
3	Down Comer	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Terrace Tank	25000 Ltrs	25000 Ltrs
5	Booster Pump	450 LPM	450 LPM
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	8 / 8	4 / 0				-- / --	-- / --	-- / --					
	Total	8 / 8	4 / 0	-- / --	4 Nos (For Each Floor) / 4 Nos (For Each Floor)	-- / --	0 / 0	0 / 0	0 / 0	-- / --	25000 Ltrs / 25000 Ltrs	-- / --	450 LPM / 450 LPM	-- / --

- Provide ABC 5 kg/6 kg fire extinguishers
- WetRiser / DownComer - 100mm with single outlet landing valves.

Acid Section

2. The builder has constructed a Multi Storeyed Building with Ground Floor + 3 Upper Floors with a height of 7 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
9	Internal Staircases	1 No. - 1.50 Meters
10	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	1885.93	Industrial	188	188	1.88	3.00
2	First Floor	463.54	Industrial	46	46	0.46	3.00
3	Second Floor	463.54	Industrial	46	46	0.46	3.00
4	Third Floor	163.11	Industrial	16	16	0.16	3.00
	Total	2976.12		296			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	31 Nos.	31 Nos.
2	Hose Reel Systems	7 Nos.	0 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	333 Nos.	0 Nos.
6	Manually Operated Electric Fire Alarm System	5 Nos.	0 Nos.
7	Automatic Detection & Alarm System	55 Nos.	0 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	19 /19	4 /0				210 /0	2 /0	34 /0					
2	First Floor	5 /5	1 /0				52 /0	1 /0	9 /0					
3	Second Floor	5 /5	1 /0				52 /0	1 /0	9 /0					
4	Third Floor	2 /2	1 /0				19 /0	1 /0	3 /0					

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
	Total	31 /31	7 /0	4 Nos (For Each Floor) /4 Nos (For Each Floor)	-- /--	YH_30 _YH /YH_30 _YH	333 /0	5 /0	55 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Molten Sulphur Tanks

- The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 11.4 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
10	Internal Staircases	0 No. - 0.00 Meters
11	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

- The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1144.8	Industrial	114	114	1.14	0.00
	Total	1144.8		114			

- The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	12 Nos.	12 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
2	Hose Reel Systems	3 Nos.	0 Nos.
3	Wet Riser	3 Nos (For Each Floor)	3 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	128 Nos.	128 Nos.
6	Automatic Detection & Alarm System	21 Nos.	21 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl.
1	Ground Floor	12 /12	3 /0				128 /128	3 /3	21 /21					
	Total	12 /12	3 /0	3 Nos (For Each Floor) /3 Nos (For Each Floor)	-- /--	YH_30_YH /YH_30_YH	128 /128	3 /3	21 /21	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note-11 /Note-11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Control Room

- The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 12 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
11	Internal Staircases	1 No. - 1.50 Meters
12	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	676.8	Industrial	67	67	0.67	3.00
2	First Floor	676.8	Industrial	67	67	0.67	3.00
	Total	1353.6		134			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	14 Nos.	14 Nos.
2	Hose Reel Systems	4 Nos.	4 Nos.
3	Down Comer	2 Nos (For Each Floor)	2 Nos (For Each Floor)
4	Automatic Sprinkler System	114 Nos.	114 Nos.
5	Manually Operated Electric Fire Alarm System	2 Nos.	2 Nos.
6	Automatic Detection & Alarm System	26 Nos.	26 Nos.
7	Terrace Tank	50000 Ltrs	50000 Ltrs
8	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	7 / 7	2 / 2				57 / 57	1 / 1	13 / 13					
2	First Floor	7 / 7	2 / 2				57 / 57	1 / 1	13 / 13					
	Total	14 / 14	4 / 4	-- / --	2 Nos (For Each Floor) / 2 Nos (For Each Floor)	-- / --	114 / 114	2 / 2	26 / 26	-- / --	50000 Ltrs / 50000 Ltrs	-- / --	Note-11 / Note-11	-- / --

- Provide ABC 5 kg/6 kg fire extinguishers
- WetRiser / DownComer - 100mm with single outlet landing valves.

2. The builder has constructed a Multi Storeyed Building with Ground Floor + 2 Upper Floors with a height of 11 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

SI	Details of Staircases	Provided Nos / Meters
12	Internal Staircases	0 No. - 0.00 Meters
13	External Staircases	1 No. - 1.50 Meters
Total		1.5 Meters

5. The builder has proposed to provide Occupant Load :

SI	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1629.7	Industrial	162	162	1.62	1.50
2	First Floor	124.5	Industrial	12	12	0.12	1.50
3	Second Floor	124.5	Industrial	12	12	0.12	1.50
	Total	1878.7		186			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

SI	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	25 Nos.	25 Nos.
2	Hose Reel Systems	6 Nos.	0 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	209 Nos.	0 Nos.
6	Manually Operated Electric Fire Alarm System	3 Nos.	0 Nos.
7	Automatic Detection & Alarm System	35 Nos.	0 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC

of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	17 /17	4 /0				181 /0	1 /0	29 /0					
2	First Floor	4 /4	1 /0				14 /0	1 /0	3 /0					
3	Second Floor	4 /4	1 /0				14 /0	1 /0	3 /0					
	Total	25 /25	6 /0	4 Nos (For Each Floor) /4 Nos (For Each Floor)	-- /--	YH_30 _YH /YH_30 _YH	209 /0	3 /0	35 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Sulphur Godown

- The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 12 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
13	Internal Staircases	0 No. - 0.00 Meters
14	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

- The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	1431.3	Industrial	143	143	1.43	0.00

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
	Total	1431.3		143			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	15 Nos.	15 Nos.
2	Hose Reel Systems	3 Nos.	0 Nos.
3	Wet Riser	3 Nos (For Each Floor)	3 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	160 Nos.	160 Nos.
6	Automatic Detection & Alarm System	26 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	15 /15	3 /0				160 /160	3 /3	26 /0					
	Total	15 /15	3 /0	3 Nos (For Each Floor) /3 Nos (For Each Floor)	-- /--	YH_30_YH /YH_30_YH	160 /160	3 /3	26 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note-11 /Note-11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

8. The Officers of the department have recommended to issue The No Objection Certificate for Occupancy of MSB Industrial Building (G1) belonging to NAGARAJU D Coromandel International Limited Sriharipuram, subject to the following conditions.

The No Objection Certificate for Occupancy is issued subject to the following conditions:

1. This NOC is issued only in the Fire Safety Point of View and this doesnot give the Applicant a right to claim ownership of the property.
2. All fire safety systems provided shall be maintained in trim working condition at all times.
3. All Security/ Maintenance personnel shall be trained on the usage of fire equipment provided.
4. Fire Drills shall be conducted once in every 3 months.
5. As per report of MSB Inspection committee; the NOC Committee has scrutinized the Inspection Committee Report along with Proposals and recommended for issuance of No Objection Certificate for Occupancy subject to the following Conditions.

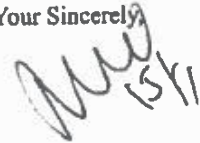
Sl	As Builder	As Occupant	As Security Personnel
1	All the fire protection arrangements shall be maintained in good condition as seen during inspection.	All the escape/exit routes shall not be kept locked/blocked or encroached	All the occupants must know the correct method of operation of the fire fighting system installed.
2	Any loss of life or property due to non-functioning of fire safety measures and other installations shall be the responsibility of the management.	All occupants shall be trained to operate the fire safety equipments during emergency.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.
3	Addition / alteration, if any in the building may be verified by building authority.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.	All security personnel shall be trained to operate the fire safety equipments during emergency.
4	This No objection Certificate for occupancy is valid for one year from the date of issue of this letter	Raise the alarm if the fire cannot be controlled; Evacuate the area completely at once from nearest safe exit.	Attack the fire using available fire equipment only if you feel capable of controlling. If not, take all steps to isolate the area by closing doors and windows.

6. This No Objection Certificate for Occupancy is valid for a period of Two(02) years only from the date of issue of this letter. It is the responsibility of the builder to apply for Renewal of No Objection Certificate for Occupancy, duly remitting the User Charges as per G.O.Ms.No.71, Home (Prison-A) Department, dated 01-04-2010 and G.O.Ms.No.140, Home (Prison & Fire) Department, dated.04-09-2015, before expiry of this No Objection Certificate.

9. The following deficiencies are identified by the officers of the department and need to be attended to by the management.

In view of the above, as per the recommendations of the NOC Committee, the No Objection Certificate for Occupancy is hereby issued to the Newly constructed Multi Storeyed Building subject to the above conditions.

Your Sincerely,



Director General

State Disaster Response & Fire Services
Andhra Pradesh, Vijayawada

Copy to NAGARAJU D, The management of Coromandel International Limited, Visakhapatnam,
HQEsXMryLJZfe8msZ8HAnRgxXMDA3aU7EsGu97DaPmT7

Copy to Chief Office for Record Purpose
Copy to Regional Fire Officer concerned

11/15/23, 4:30 PM

A.P. State Disaster Response and Fire Services Department

Copy to District Fire Officer concerned

Copy to Assistant District Fire Officer concerned

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 24 April 2024 16:10
To: rovspappcb@gmail.com
Cc: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of special conditions reports
Attachments: Submission of AAQMS online data for the six months as per EC complex PAP.crdownload; Submission of SAP -3 & Desalination plant Fire NOC.crdownload; Submission of monthly Piezo Well analysis report as per EC complex PAP.crdownload; Submission of Piezo Well analysis report as per CFO.crdownload; Public Liability Policy (PLI) April - 2024-2025 (Policy No. 96000036243300000001).pdf

Dear Sir,

Here we are submitting the following Special Conditions reports for your consideration.

1. Public Liability Act copy (Policy No. 96000036243300000001).
2. Fire NOC
3. Piezo well water analyses Quarterly reports as per CFO
4. Piezo well water analyses monthly reports as per EC
5. AAQMS online data reports as per EC

The same original copy along with backup documents we submitted on **23.04.2024** to your regional office. Again, we have submitted the same copy through mail as per your instruction.

Thanks & Regards,
Nageswara Rao G



Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

Andhrapradesh, India.

F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPA GROUP COMPANY



भारत सरकार / Government of India
वाणिज्य और उद्योग मंत्रालय / Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन / Petroleum & Explosives Safety Organisation (PESO)
डोर नंबर 7-20-13, किरलामपुडी लेआउट
विशाखापट्टनम- 530017

Door No. 7-20-13, Kirlampudi Layout, Visakhapatnam - 530017

ईमेल / E-mail : dyccevizag@explosives.gov.in

दूरभाष / Phone/Fax No : 0891-2722257

दि / Dated : 05/07/2022

5 JUL 2022

सं / No : G/SZ/AP/06/7522(G83926)

सेवा में / To,

M/s. COROMANDEL INTERNATIONAL LIMITED,
Post Box No. 1116,,
Malkapuram Post
Village/Town: SRIHARIPURAM,
City: Visakhapatnam (Urban),
Taluka: Visakhapatnam (Urban),
District: VISAKHAPATNAM
State: Andhra Pradesh
Pin : 530011

विषय / Sub : Survey No: Sy. No. 4 - 9(Old) / 17 (New), Sriharipuram, Visakhapatnam, Village/Town: Gullapalem, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin : 530011 - में सिलेंडरों में LPG गैस का भंडारण- गैस सिलेंडर नियम, 2016 के फार्म एफ के अंतर्गत - निरीक्षण एवं अनुज्ञप्ति का पृष्ठांकन करने के बारे में/Storage of LPG in cylinders at Survey No: Sy. No. 4 - 9(Old) / 17 (New), Sriharipuram, Visakhapatnam, Village/Town: Gullapalem, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin : 530011 - cover under Licence G/SZ/AP/06/7522(G83926) granted in Form F of Gas Cylinders Rules, 2016 - Inspection & Endorsement of licence regarding.

महोदय/Sir
(s),

कृपया इस कार्यालय के दि. 03/06/2022 के ज्ञापन सं G/SZ/AP/06/7522(G83926) और दि. 11/06/2022 को उपरोक्त परिसर का अधोहस्तोक्षकर्ता/ इस कार्यालय के अधिकारी द्वारा को किए गए निरीक्षण का अवलोकन करें/ Please refer to the this office Memo No : G/SZ/AP/06/7522(G83926) dated 03/06/2022 and inspection of the above premises by the undersigned /an officer of this office on 11/06/2022

The subject licence is returned herewith duly endorsed. The receipt of the licence may please be acknowledged.

कृपया नोट करें कि गैस सिलेंडर नियम, 2016 के नियम 55(5) के अनुसार, अनुज्ञप्ति के पुनः नवीकरण हेतु आवेदन this office कार्यालय को इस अनुज्ञप्ति की वैधता समाप्त होने के पूर्व (दिनांक 30 सितम्बर 2026 को या इससे पूर्व) जमा कर दें। दिनांक 30 सितम्बर 2026 के पश्चात परंतु दिनांक 30 सितम्बर 2027 से पूर्व प्राप्त नवीनीकरण आवेदन, गैस सिलेंडर नियम, 2016 के नियम 55(7) के अनुसार विलंब शुल्क के साथ ही विचाराधीन होगा। दिनांक 30 सितम्बर 2027 तक कोई नवीनीकरण आवेदन प्राप्त नहीं होने की स्थिति में यह अनुज्ञप्ति स्वतः निरस्त हो जाएगी। /Please note that your application for further renewal should reach this office on or before 30th Septemebr, 2026 along with all the documents as required under Rule 55(5) of Gas Cylinders Rules , 2016. Application for renewal of licence received after 30th September, 2026 but not later than 30th September, 2027 be considered only with penalty fee vide rule 55(7) (a)(b) of said Rules. The licence will automatically expire if no application is received upto 30th September, 2027.

भवदीय /Yours faithfully,

((एम.जी.तिरे))
(M G Titre))

उप मुख्य विस्फोटक नियंत्रक
Dy. Chief Controller of Explosives
विशाखापट्टनम/Visakhapatnam

[अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए कृपया हमारी वेबसाइट <http://peso.gov.in> देखें।]
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

Note:-This is system generated document does not require physical signature.

Inspected & Endorsed
Dy.C.C.E., VSKP
31/7/2022



फार्म फ / FORM F

नियम 50, 51 और 54 देखें / (See Rules 50, 51 and 54)
Licence to store compressed gas in cylinders

अनुज्ञप्ति संख्या/ Licence No. : G/SZ/AP/06/7522(G83926)

वार्षिक शुल्क/ Fee Rs. 2000/- per year

M/s. COROMANDEL INTERNATIONAL LIMITED, Post Box No. 1116, Malkapuram Post, Village/Town: SRIHARIPURAM, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin: 530011 को नीचे वर्णित और रेखांक संख्या G/SZ/AP/06/7522(G83926) dated 03/06/2022 में दर्शित किए गए अनुज्ञप्त परिसर में, भारतीय विस्फोटक अधिनियम, 1884 (1884 का 4) और उसके अधीन बनाए गए नियमों के उपबंधों तथा इस अनुज्ञप्ति की अन्य शर्तों के अधीन रहते हुए, केवल संपीड़ित गैस से भरे सिलेण्डरों को रखने के लिए ही विधिमाम्य अनुज्ञप्ति दी जाती है। /

Licence is hereby granted to M/s. COROMANDEL INTERNATIONAL LIMITED, Post Box No. 1116, Malkapuram Post, Village/Town: SRIHARIPURAM, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin: 530011 valid only for the possession of cylinders filled with compressed gas in the licensed premises described below and shown in the plan No G/SZ/AP/06/7522(G83926) dated 03/06/2022 subject to the provisions of the Explosives Act, 1884(4 of 1884) and the Rules made thereunder and to the further conditions of this licence.

यह अनुज्ञप्ति 30 सितम्बर 2026 तक प्रवृत्त रहेगी। / The Licence shall remain in force till the 30th September 2026.

For Dy. Chief Controller of Explosives

Visakhapatnam

कृते उप मुख्य विस्फोटक नियंत्रक

विशाखापट्टनम

June 3, 2022

अनुज्ञप्त परिसर का विवरण और अवस्थिति / DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

निम्नलिखित विवरण के अनुसार सिलेण्डरों में भरी गैस रखने के लिए अनुज्ञप्त परिसर, जिसकी अभिन्यास सीमाओं और अन्य विशिष्टियों को संलग्न अनुमोदित रेखांक सं G/SZ/AP/06/7522 dated June 3, 2022 में दिखाया गया है, में अवस्थित है और जिसमें एक भण्डारण शेड है। / The licensed premises, the layout boundaries and other particulars of which are shown in the attached approved plan No. G/SZ/AP/06/7522 dated June 3, 2022 are situated at Gullapalem and consists of a storage shed for possession of the gas contained in cylinders as described here under:

गैस का प्रकार / Type of Gas	मात्रा / Quantity
a) विषैले/ Toxic	--NIL--
b) गैर विषैले और गैर ज्वलनशील /Non-Toxic and Non Flammable	--NIL--
c) गैर विषैले और ज्वलनशील /Non-Toxic and Flammable	--NIL--
d) घुलित एसिटिलीन गैस Dissolved Acetylene Gas	--NIL--
e) एलपीजी के अलावा गैर विषैले और ज्वलनशील द्रवित गैस /Non-Toxic & Flammable liquefiable gas other than LPG	--NIL--
f) एलपीजी/ Liquefied Petroleum Gas	LPG - 870 Kgs.

और प्लॉट संख्या SurveyNo : Sy. No. 4 - 9(Old) / 17 (New) गली का नाम गांव : Gullapalem या नगर पुलिस थाना : Malkapuram जिला : VISAKHAPATNAM, राज्या : Andhra Pradesh.

/ and is situated at SurveyNo : Sy. No. 4 - 9(Old) / 17 (New) Village/Town : Gullapalem Police Station : Malkapuram District : VISAKHAPATNAM, State: Andhra Pradesh.

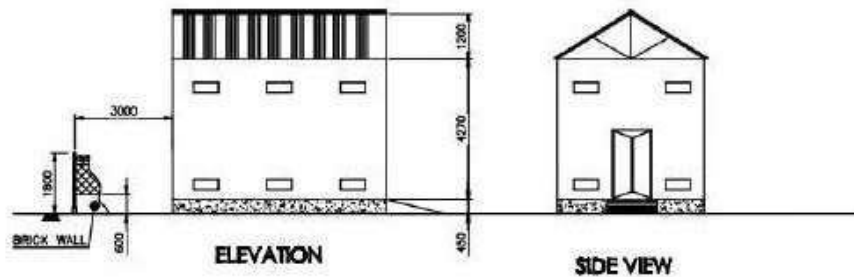
नवीकरण के पृष्ठांकन के लिए स्थान / SPACE FOR ENDORSEMENT OF RENEWALS

नवीकरण की तारीख/Date of Renewal	समाप्ति की तारीख/Date of Expiry	अनुज्ञप्ति प्राधिकारी के हस्ताक्षर/Signature and stamp of the licensing authority
इस अनुज्ञप्ति को, विस्फोटक अधिनियम, 1884 या उसके अधीन बनाए गए गैस सिलेण्डर नियम, 2016 के उपबंधों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में, फीस में कोई छूट दिए बिना दस वर्ष तक नवीकृत किया जाएगा। / This licence shall be renewable without any concession in fee for ten years in the absence of contravention of the provision of the Explosives Act, 1884 or Gas Cylinders Rules, 2016, framed thereunder or of the conditions of the licence		

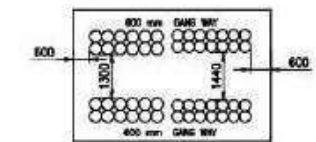
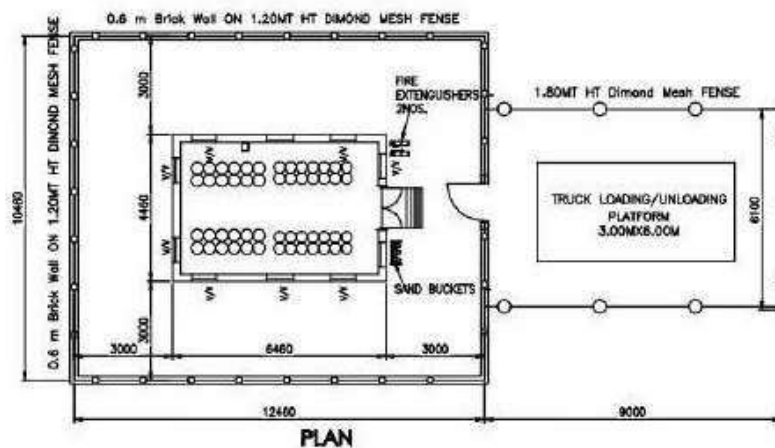
यदि अनुज्ञप्त परिसर इससे उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाया जाता है और जिन नियमों और शर्तों के अधीन यह अनुज्ञप्ति दी गई है, उनमें से किसी का उल्लंघन होता है तो यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्ति का धारक कारावास से, जिसकी अवधि दो वर्ष तक की हो सकेगी, या जुर्माने से, जो तीन हजार रुपये तक का हो सकेगा, या दोनों से, दण्डनीय भी होगा। / This licence is liable to be cancelled if the licensed premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable with imprisonment for the term which may extend to two years or with fine which may extend to three thousand rupees or with both.

Note:-This is system generated document does not require physical signature.

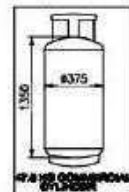
Digitally signed by J SARKAR
Reason: Licence No. : G/SZ/AP/06/7522
Location: Visakhapatnam [G83926]
Date: 2022.06.03 11:07:36 +05:30



5TH STREET N 4980



CYLINDERS STACKING DETAILS



LEGEND

1. ALL DIMENSION ARE METERS.
2. NO INFLAMMABLE MATERIAL SHALL BE USED IN CONSTRUCTION.
3. NECESSARY CAUTION BOARDS FIRE EQUIT. SHALL BE KEPT SITE.
4. 2 NOS. FIRE EXTINGUISHER OF 10 KG. CAP. PROVIDED.
5. MASTIC FLOORING PROVIDED ON TOP OF CONC. BED OF 25MM THICK AS PER IS 1195/1196.
6. MS DOUBLE LEAF DOOR (1.2Mx2.4M) OPENING OUTWARDS. FITTED WITH M.S ANGLE FRAME.
7. V-VENTILATORS- MS - 0.25x0.75 PROVIDED WITH TWO LAYERS OF WITH NON-CORRODIBLE METAL WIRE GAUGE OF 11 MESH/CM
8. 4 NOS. FIRE BUCKETS WITH DRY SAND (SB) PROVIDED.
9. NO. LT/HT LINES PASSES FROM OVER THE PREMISES.
10. NO. COURT CASE IS PENDING AGAINST THE SITE.

JOINERY

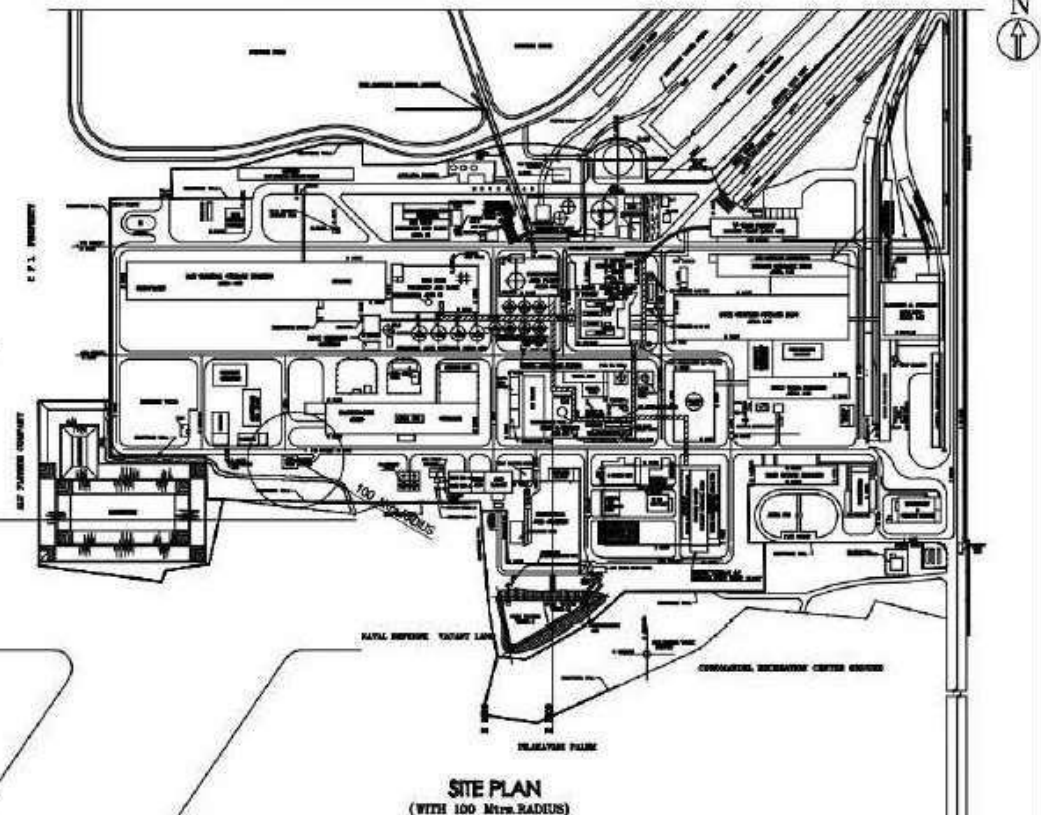
- V - VENTILATOR - 16 Nos.
D - DOUBLE LEAF DOOR - OPENING OUTWARD FITTED WITHIN MS ANGLE FRAME

1. ALL DIMENSION IN METERS
2. AREA OF THE GODDOWN = 24.00 SQ.M = 258.24 SQ.FT
3. CYLINDERS OCCUPIED AREA = 2.5 x 0.75 x 4 = 7.5 SQ.M = 80.70 SQ.FT

STORAGE CAPACITY

- 19.0 Kg. x 14 Nos. = 266 Kgs.
47.5 Kg. x 12 Nos. = 570 Kgs.

TOTAL 836 Kgs.



SITE PLAN
(WITH 100 Mtrs RADIUS)

TO GATUWAKA SCINDIA ROAD TO MALKAPURAM

AS BUILT

REV	2	1
COROMANDEL INTERNATIONAL LIMITED		
SRIRAMPURAM, VISAKHAPATNAM		
ANDHRA PRADESH - 580011		
DRAWN : STG		
DATE : 04-06-2021		
CHK : MURTHY		
SCALE : 1 : 100 & NETS		
LPG CYLINDERS STORAGE SHED		
DRG. NO. : CL-CCS-LPG-01		REV. 1

Digitally signed by J SARKAR
Reason: Licence No. : G/SZM/P/06/7522
Location: Visakhapatnam [G83926]
Date: 2022.06.03 11:07:38 +05:30

EHS/APPCB/2024-030

Dated:22/04/2024

To
The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -18

Dear Sir,

Sub: Submission of Public Liability Act copy (Policy No. 96000036243300000001).

Ref: i) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023
ii) CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021
iii) CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020

With reference to above as per the general condition point No 43 specified in CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023 and Schedule – A in condition no : 03 in CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021 & CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020, we are herewith submitting the Public Liability Act Policy copy for the period of

Policy Period:

From : 01/04/2024
To Midnight of : 31/03/2025

This is for your kind information & Records
Thanking you,

Yours Truly
For Coromandel International Limited



Gnanasundaram M
Vice President & Head Manufacturing.



NAG/DNR

Encloser: PLA copy



POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	:	M/S.COROMANDEL INTERNATIONAL LIMITED			
		Insured's Details		Issuing Office Details	
Customer ID	:	PO59235971	Office Code	:	HYDERABAD LCBO 960000 (960000)
Address	:	COROMANDEL HOUSE, D.NO:1-2-10,SARDAR PATEL ROAD,SECUNDERABAD. SECUNDERABAD ,TELANGANA, 500003	Address	:	LARGE CORPORATE AND BROKERS OFFICE, 7C,7TH FLOOR, SURYA TOWERS, S.P.ROAD, SECUNDERABAD ,500003
Phone No	:		Phone No	:	4027810302
E-mail/Fax	:	MittalA@coromandel.murugappa.com, /	E-mail/Fax	:	nia.960000@newindia.co.in /
PAN No	:	AAACC7852K	S.Tax Regn. No	:	AAACN4165CST178
GSTIN/UIN	:	36AAACC7852K2ZD / NA	GSTIN	:	36AAACN4165C3ZQ
	:		SAC	:	997139 (Other non-life insurance services excl RI)

Policy Details					
Policy Number	:	96000036243300000001	Business Source Code	:	
Period of Insurance	:	From: 01/04/2024 12:00:01 AM To: 31/03/2025 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	:	Marsh India Insurance Brokers Pvt. Ltd. - (2D10672900) Marsh_India_121400 - (2D10685525),
Date of Proposal	:	01-Apr-24	Agent/Bancassurance/S pecified Person	:	
Prev. Policy no.	:	62030036233300000001	Phone No	:	7045922442, 8657561533 / NA
Client Type	:	Corporate	E-mail/Fax	:	Kamal.Pherwani@marsh.com, Pravin.chandvekar@marsh.com / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
230765	230765	41,538	5,03,068	RUPEES FIVE LAC THREE THOUSAND SIXTY-EIGHT ONLY	9600008124000000002 4 - 02/04/24

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductible S	No of workmen	No of Other Employee
01/04/2012	<= 15 Crore	19	50000000	1:3	150000000	150000000000	250000000000	14000	3000	

Retroactive Dates

Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles	No of workmen	No of Other Employee
RETROACTIVE DATE 1	01/04/2012	<=15Crore	19	50000000	1.3	150000000	150000000000	250000000000	14000	3000	

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature Not Verified
Digitally signed by DHIRAJ KUMAR
Date: 2024.04.02 13:41:29 +05'30'IST



Special Conditions	AS PER POLICY-19 NO.OF LOCATIONS AS PER LIST ATTACHED HEREWITH AS PER PUBLIC LIABILITY ACT POLICY Absolute exclusion for losses directly or indirectly arising out of contributed to by or resulting from Coronavirus (Covid 19 and /or nCov 2019) or any mutations or variations thereof.	
Special Exclusions	NA	
Special Excess/Deductible	0	
Retroactive Dates		Date
Retroactive date		01/04/2012

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details		
	Rate of Tax	Amount in INR
Premium		₹ 4,61,530
SGST	9	20769
CGST	9	20769
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 02nd day of April, 2024.

For and on behalf of
The New India Assurance Company Limited

Date of Issue: 02/04/2024

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 96000024E0000029

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

दिन्यूइंडियाएश्योरन्सकंपनीलिमिटेड

बृहत्कोर्पोरेटएवमब्रोकर्सकार्यालय – ९६०००

7thमंज़िल,सूर्याटॉवर्स,एसडीरोड,सिकन्दराबाद

५००००३, तेलंगाना

दूरभाष – ०४०-२७८१०३००, २७८१०३०२

फैक्स – ०४०-६६२६४४४३

हिन्दीहमारीराष्ट्रभाषाहै,सारेदेशकीआशाहै।



Leadership and Beyond

The New India Assurance Co Ltd

Large Corporate and Brokers Office – 960000

7th Floor , C Block, Surya Towers, SP Road,

Secunderabad – 500 003, Telangana

Telephone – 040 27810300, 27810302

Fax – 040 66264443

India's Premier General Insurance Company

Schedule attached to and forming part of policy no. 96000036243300000001

List of 19 Locations attached and forming part of Public Liability(Act only) Policy no:
96000036243300000001, Policy period : 01-04-2024 to 31-03-2025.

With reference to the captioned subject following are the list of Locations

1. M/S Coromandel International Ltd-VISAKHAPATNAM
2. M/S Coromandel International Ltd-KAKINADA
3. M/S Coromandel International Ltd-ENNORE
4. M/S Coromandel International Ltd-RANIPET
5. M/S Coromandel International Ltd-THANE
6. M/S Coromandel International Ltd-NAVI MUMBAI.
7. M/S Coromandel International Ltd-UNIT 1, JAMMU
8. M/S Coromandel International Ltd-UNIT2, BARIBRAHMANA, JAMMU
9. M/S Coromandel International Ltd, UMBERGAON
10. M/S Coromandel International Ltd, GIDC, NANDESARI
11. M/S Coromandel International Ltd, PALI
12. M/S Coromandel International Ltd, RAIBARELI
13. M/S Coromandel International Ltd, MADRI-UDAIPUR
14. M/S Coromandel International Ltd, JAGPURA-KOTA
15. M/S Coromandel International Ltd, MUNIRABAD
16. M/S Coromandel International Ltd, ANKHALESHWAR
17. M/S Coromandel International Ltd, DAHEJ
18. M/S Coromandel International Ltd –NIMRANI
19. M/S Coromandel International Ltd Super Phosphate factory, ENNORE

For The New India Assurance Company

Authorised Signatory

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 24 April 2024 16:10
To: rovspappcb@gmail.com
Cc: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of special conditions reports
Attachments: Submission of AAQMS online data for the six months as per EC complex PAP.crdownload; Submission of SAP -3 & Desalination plant Fire NOC.crdownload; Submission of monthly Piezo Well analysis report as per EC complex PAP.crdownload; Submission of Piezo Well analysis report as per CFO.crdownload; Public Liability Policy (PLI) April - 2024-2025 (Policy No. 96000036243300000001).pdf

Dear Sir,

Here we are submitting the following Special Conditions reports for your consideration.

1. Public Liability Act copy (Policy No. 96000036243300000001).
2. Fire NOC
3. Piezo well water analyses Quarterly reports as per CFO
4. Piezo well water analyses monthly reports as per EC
5. AAQMS online data reports as per EC

The same original copy along with backup documents we submitted on **23.04.2024** to your regional office. Again, we have submitted the same copy through mail as per your instruction.

Thanks & Regards,
Nageswara Rao G



Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

Andhrapradesh, India.

F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPA GROUP COMPANY

EHS/APPCB/2024-070

Date: 01.07.2024

To,
The Environmental Engineer,
A.P Pollution Control Board,
D.NO.33-26-14 D/2,
Near sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet,
Vijayawada-520010

Sub: Submission of CFE Half Yearly Compliance Reports – Main Plant

Ref: CFE No: **65/APPCB/CFE/RO-VSP/VSP/HO/2012 – 22/11/2022**

Dear sir,

This has with reference to the above subject we are herewith submitting the CFE Half yearly Compliance report for the period of Dec-2023 to May-2024.

This is for information please.

Thanking you,

Yours faithfully

For Coromandel International Limited



Gnanasundaram M

Vice President & Head Mfg.



NAG/DNR

Enc: CC to 1. Regional Office, APPCB, Visakhapatnam
2. Zonal Office, APPCB, Visakhapatnam

**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

CFE Compliance to Consent order No: 65/APPCB/CFE/RO-VSP/HO/2012 dated 22/11/2022

From the period of Dec-2023 to May-2024

S.No	Consent Condition	Compliance
1	The proponent shall obtain Consent to Operate (CTO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the trail runs.	Noted and being complied.
2	Separate energy meter shall be provided for effluent treatment plant (ETP) and Air pollution control equipment's to record energy consumed. The applicant shall properly maintain separate energy meters for Effluent Treatment Plant (ETP) and Air pollution Control equipment's to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.	Complied.
3	The industry shall properly maintain separate storm water drains. No effluents shall be discharged in to the storm water drains.	Complied. Maintained dedicated storm water drains.

Water

4	The source of water is GVMC & Sea. The maximum permitted water consumption is as following after expansion of Sulphuric acid plant:	Complied.
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S. No.	Purpose	Quantity (KLD)				
		As per EC Order dt.07.01.2021	As per CFE Order dt.27.07.2022	As per CFE Order dt.08.02.2022 and 24.08.2022	As per CFO Order dt.30.09.2022	Total after expansion
1	Process & Washes	Total – 14550		Total – 14550 (Existing 10,350 + SAP3-1800 + PAP-2400 KLD)	12750KLD* (Existing : 10350 KLD +PAP : 2400KLD)	Total – 16600 (Existing 10,350 + SAP3-1800 + PAP-2400 KLD) (Proposed- SAP – 650+ PAP-1400 =2050)
2	Industrial Cooling (Make up) – Fresh Water (from GVMC or from De-salination plant or combination of both)					
3	Boiler feed					
4	Domestic & Other					
	Subtotal	14550		14550		16600
5	Industrial cooling Sea water	84600	40,000	84600	84600	84600+40000 = 124600
	Grand Total	99,150	40,000	99150		1,41,200

**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

5	<p>The maximum waste water generation shall not exceed the following after expansion of Sulphuric acid plant:</p> <table><tr><th rowspan="2">S. No.</th><th rowspan="2">Source</th><th colspan="5">Quantity (KLD)</th></tr><tr><th>As per the CFE orders dt.08.02.2020 & 24.02.2022</th><th>As per CFE Order dt.27.07.2022</th><th>As per CFO Order dt.30.09.2022</th><th>As per CFE Expansion</th><th>Total at Expansion</th></tr><tr><td>1.</td><td>Process Washings</td><td>1800</td><td>-</td><td>1800</td><td>-</td><td>1800</td></tr><tr><td>2.</td><td>Cooling Water Blow Down</td><td>81,600</td><td>25,000 (SWRO Rejects)</td><td>81600</td><td>25000</td><td>1,06,600</td></tr><tr><td>3.</td><td>Domestic</td><td>530</td><td>-</td><td>530</td><td>-</td><td>530</td></tr><tr><td></td><td>Total</td><td>83,930</td><td>25,000 (SWRO Rejects)</td><td>-</td><td>-</td><td>1,08,930</td></tr></table>	S. No.	Source	Quantity (KLD)					As per the CFE orders dt.08.02.2020 & 24.02.2022	As per CFE Order dt.27.07.2022	As per CFO Order dt.30.09.2022	As per CFE Expansion	Total at Expansion	1.	Process Washings	1800	-	1800	-	1800	2.	Cooling Water Blow Down	81,600	25,000 (SWRO Rejects)	81600	25000	1,06,600	3.	Domestic	530	-	530	-	530		Total	83,930	25,000 (SWRO Rejects)	-	-	1,08,930	Complied.
S. No.	Source			Quantity (KLD)																																						
		As per the CFE orders dt.08.02.2020 & 24.02.2022	As per CFE Order dt.27.07.2022	As per CFO Order dt.30.09.2022	As per CFE Expansion	Total at Expansion																																				
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3.	Domestic	530	-	530	-	530																																				
	Total	83,930	25,000 (SWRO Rejects)	-	-	1,08,930																																				
6	All the units of the ETP & STP systems shall be impervious to prevent ground water pollution. The ETP & STP systems shall be maintained properly to achieve the standards.	Complied. Third-party ETP & STP Reports, Here with enclosed as Annexure -01 for your reference																																								
7	Process effluents shall be recycled / reused within factory premises to achieve zero discharge except during the rainy season, as stipulated in Specific conditions – point (ix) of EC order dt. 14.07.2017.	Complied.																																								
8	During rainy season, the treated waste water shall meet the water discharge standards, as stipulated in condition no.2 of Schedule-B of CFO order dt. 19.03.2018.	Complied.																																								
9	The industry shall provide magnetic flow meters with totalisers at the inlet and outlet of ETP.	Complied. Provided magnetic flow meters with totalizers at the inlet and outlet of ETP.																																								
10	Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. All pipe valves, sewers, drains shall be leak proof.	Complied.																																								
11	The Air pollution Control equipment shall be maintained properly and shall comply with the following for controlling air pollution after expansion :	Complied.																																								
12.	The industry shall properly maintain 400 MTPD evaporation system for Phosphoric Acid including Fluorine recovery system as stipulated in the EC order dt.14.07.2017.	Complied.																																								
13.	A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.	Complied.																																								
14.	The industry shall properly maintain online pH measuring facility with auto recording system to the scrubbers provided to treat the process emissions.	Complied. Installed online pH measuring facility with auto recording system.																																								

**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

15.	The industry shall implement adequate measures to control all fugitive emissions from the plant.	Complied.																															
16.	<p>The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoEF, Gol vide notification No. GSR. 826 (E), dated.16.11.2009 during construction and regular operational phase of the project at the periphery.</p> <p>The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.</p>	Complied. Third Party NAAQS report, Here with enclosed as Annexure -02 for your reference																															
17.	<p>The industry shall comply with the following for disposal of Solid Waste after expansion:</p> <table><tr><th rowspan="2">S. No.</th><th rowspan="2">Description of waste</th><th rowspan="2">Stream</th><th colspan="3">Quantity(TPA)</th><th rowspan="2">Disposal</th></tr><tr><th>Existing as per CFO order dt.30.09.2022</th><th>Applied for Expansion</th><th>Total after expansion</th></tr><tr><td colspan="7">Hazardous Waste with Disposal Option:</td></tr><tr><td>1.</td><td>Acid Residues (Tank Bottom sludge) (TPA)</td><td>34.2 Schedule-I</td><td>45</td><td>15</td><td>60</td><td>Recycle phosphor reactor utilizable</td></tr><tr><td>2.</td><td>Sulphur muck (Sulphur)</td><td>Class B (S.No. 37)</td><td>750</td><td>750</td><td>1500</td><td>Recycle the proc</td></tr></table>	S. No.	Description of waste	Stream	Quantity(TPA)			Disposal	Existing as per CFO order dt.30.09.2022	Applied for Expansion	Total after expansion	Hazardous Waste with Disposal Option:							1.	Acid Residues (Tank Bottom sludge) (TPA)	34.2 Schedule-I	45	15	60	Recycle phosphor reactor utilizable	2.	Sulphur muck (Sulphur)	Class B (S.No. 37)	750	750	1500	Recycle the proc	Complied.
S. No.	Description of waste				Stream	Quantity(TPA)			Disposal																								
		Existing as per CFO order dt.30.09.2022	Applied for Expansion	Total after expansion																													
Hazardous Waste with Disposal Option:																																	
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**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

	Sludge) (TPA)	of Schedule-II				filter m the g plant (as waste)
3.	Spent catalyst (TPA)	18.1 of Schedule-I	65	50	115	Shall be through so as to authorise Reproce Recycler recyclabl (or) Parawad secured filling landfillab
4.	Used lubricating oil/ drained oil (KLPA)	5.1 of Schedule-I	50	10	60	Shall be through so as to authorize Reproce Recycler recyclabl
5.	Detoxified Containers (Nos./Annum)	33.1 Schedule-I	Containers - 15000 Nos./annum	--	Containers - 15000 Nos./annu m	Shall be through so as to to agencies detoxifica
6.	LMS sludge (TPA)	34.2 Schedule-I	15	—	15	Shall be through so as to cement for co-p (as waste) / to Parawad AFRF unfeasible
7.	Scrubbing sludge (TPA)	37.1 Schedule-I	450	—	450	Rause b process unfeasible
8.	ETP sludge (TPA)	35.3 of Schedule -I	1200	—	1200	Recycle process unfeasible
9.	Off specified , expired chemicals & lab chemicals etc. (TPA)	28.4 of Schedule -I	50	--	50	Shall be through APEMCL dispose Parawad incinerabi Landfill
						Authorized Cement In for CoPro
10.	E- Waste (TPM)	—	25	—	25	Authorized waste recy dismantler
11.	Fly Ash (TPD)	—	25	—	25	To cement industries / E manufactur units
18	The following rules and regulations notified by the MoEF&CC, Govt of India shall be implemented. a) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016. b) Plastic Waste Management Rules, 2016.					Noted. Being followed.

**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

	<p>c) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.</p> <p>d) Fly Ash Notification, 2016.</p> <p>e) Batteries (Management & Handling) Rules, 2010.</p> <p>f) E-Waste (Management) Rules, 2016.</p> <p>g) Construction and Demolition waste Management Rules, 2016.</p> <p>i) Solid Waste Management Rules, 2016.</p> <p>j) The Public Liability Insurance Act, 1991 and its amendments thereof.</p>	
Other conditions:		
19.	The MoEF & CC, Gol, New Delhi vide Ir. dt.21.04.2022 addressed to their sisterconcern M/s. Coromandel International, Beach Road, Kakinada, Andhra Pradesh clarified that establishment of new Phosphoric Acid Plant (PAP) in the existing plant at Kakinada, East Godavari district may not be considered to be covered under extent provision of the EIA Notification 2006 with subsequent amendments, and thus not requiring prior EC.	Noted
20.	The Board addressed to the MoEF & CC, Gol, New Delhi on the applicability of Environmental Clearance for expansion of Bentonite Sulfur / Bentonite Sulfur with micronutrients, Sulfo Zinc and Sulfo Boron and installation of coal fired furnace for customized fertilizer plant. The industry shall abide by the decision of the MoEF & CC, Gol, New Delhi regarding applicability of EC to the project.	Noted
21.	The industry shall submit compliance to the conditions stipulated in the EC and CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CFE_CF_O_Directon.aspx	Complied. Submitted all EC Half yearly compliance reports on 01.06.2024, Here with enclosed as Annexure - 03 for your reference
22.	The industry submitted a copy of letter stating that the MoEF&CC, Gol, New Delhi vide Ir. dt.30.05.2018 addressed to M/s. Southern Petro Chemical Industries Corporation (SPIC) clarified that the intermediate product (Phosphoric Acid) is not covered under the purview of the EIA notification 2006, and as such there is no requirement of Environmental Clearance to the said project as stand alone. Similarly, in this case also EC is not required as Sulphuric acid is one of the raw materials / intermediates for manufacture of Chemical fertilizer.	Noted
23.	The industry shall submit a report on recycling of treated effluent into the process to achieve zero discharge except during rainy season.	Complied.
24.	The industry shall display online data outside the main factory gate on quantity and nature of hazardous chemicals being used in the plant, water & air emissions and solid waste generated within the factory premises, as per Hon'ble Supreme Court order.	Complied. The image of the display Online image, Here with enclosed as Annexure -04 for your reference

**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

25.	The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.	Complied. Submitted safety audit report to PCB on 28.03.2024. Here with enclosed as as Annexure-05 for your reference
26.	The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.	Complied. Submitted fire NOC to RO,APPCB on 22.04.2024 Here with enclosed as Annexure-06 for your reference.
27.	The industry shall submit risk assessment report covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.	Complied.
28.	The industry shall obtain PESO clearance & policy under PLI Act before applying for CTO of the Board.	Complied. PESO license No. G/SZ/AP/06/7522(G83926) here with enclosed as Annexure-07 for your reference and PLI policy no. 96000036243300000001 obtained as per Public Liability Insurance Act, 1991. A copy of PLI policy, which is valid up to 31.03.2025, is herewith enclosed as Annexure-08 for your reference.
29.	The industry shall comply with the technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at www.ap.gov.in .	Complied.
30.	The industry shall utilize DG power for captive consumption only & power shall not be supplied to grid and shall follow the amendments issued by MoEF & CC/CPCB from time to time on DG sets in respect of conditions & standards.	Complied.
31.	Green belt shall be developed all along the boundary & vacant spaces with tall growing trees with good canopy and it shall not be less than 33% of the total area.	Complied.

**COROMANDEL INTERNATIONAL LIMITED,
VISAKHAPATNAM**

32.	The industry shall submit compliance to the conditions stipulated in the CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CFE_CFO_Direction.aspx .	Complied. Half yearly CFE condition wise compliance submitted on 30.12.2023. Herewith enclosed as Annexure-09 for your reference
33.	The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Regional Office and Zonal Office of the Board.	Complied. Submitted Ozone Depleting Substance consumption data once in six months to the Regional Office and Zonal Office of the Board on 06.05.2024. Herewith enclosed as Annexure-10 for your reference
34.	Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.	Complied.
35.	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.	Complied.
36.	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.	Noted.

Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

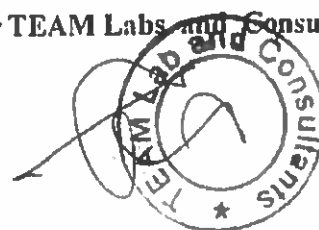
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, GoI, New Delhi

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TEST REPORT

Test Report No.		TLC/V/Env/CFL/24/0524			dt.01.06.2024
Description of Test		ETP Outlet water Analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		ETP Out let samples			
Date of Collection		20.05.2024			
Analysis report of ETP Outlet water for the Month ofMAY-2024					
S.No	Parameter	units	ETP Outlet	APPCB LIMIT	Protocol
1	PH		7.8	6.5-8.0	IS:3025 Part 11-1983
2	Total Suspended Solids	mgpl	18	100	IS:3025 Part 17-1984
3	Oil & Grease	mgpl	NIL	10	IS:3025 Part 39-1991
4	Ammonical Nitrogen	mgpl	15	50	APHA4500C
5	Free Ammonical Nitrogen	mgpl	0.1	4	APHA4500C
6	Total Kjeldal Nitrogen	mgpl	25	100	APHA4500B
7	Nitrates	mgpl	0.1	10	APHA4500D
8	Cyanides as CN	mgpl	<0.1	0.2	SM 4500CN E
9	Arsenic as As	mgpl	<0.02	0.2	SM3125
10	Vanadium as V	mgpl	<0.1	0.2	SM3125
11	Hexa valent Chromium as Cr ⁶⁺	mgpl	<0.02	0.1	SM3125
12	Fluoride as F ⁻	mgpl	1.0	10	SM 4500 F- D
13	Phosphates as P	mgpl	0.5	5.0	APHA4500D
14	BOD	mgpl	14	100	IS:3025 Part 44-1993
15	COD	mgpl	68	250	IS:3025 Part 58-2006

For TEAM Labs and Consultants



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Form-No. TCL/LGF/RF-138

Registered Office :

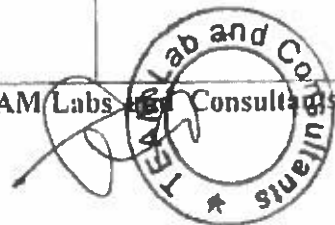
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No.		TLC/V/Env/CFL/22/0524			dt.01.06.2024
Description of Test		STP Outlet water Analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		STP Out let samples			
Date of Collection		17.05.2024			
Analysis report of STP Outlet water for the Month ofMAY-2024					
S.No	Parameter	units	STP Outlet	APPCB LIMIT	Protocol
1	PH		7.5	6.5-8.0	IS:3025 Part 11-1983
2	Total Suspended Solids	mgpl	18	100	IS:3025 Part 17-1984
3	Oil & Grease	mgpl	NIL	10	IS:3025 Part 39-1991
4	Ammonical Nitrogen	mgpl	6.0	50	APHA4500C
5	Free Ammonical Nitrogen	mgpl	0.1	4	APHA4500C
6	Total Kjeldal Nitrogen	mgpl	16	100	APHA4500B
7	Nitrates	mgpl	0.1	10	APHA4500D
8	Cyanides as CN	mgpl	<0.1	0.2	SM 4500CN E
9	Arsenic as As	mgpl	<0.02	0.2	SM3125
10	Vanadium as V	mgpl	<0.1	0.2	SM3125
11	Hexa valent Chromium as Cr ⁶⁺	mgpl	<0.02	0.1	SM3125
12	Total Chromium	mgpl	<0.02	2.0	SM3125
13	Fluoride as F ⁻	mgpl	0.7	10	SM 4500 F- D
14	Phosphates as P	mgpl	0.3	5.0	APHA4500D
15	BOD	mgpl	15	100	IS:3025 Part 44-1993
16	COD	mgpl	75	250	IS:3025 Part 58-2006
17	Temperature difference between intake water and outlet	°C	3	5° c	

For TEAM Labs and Consultants



Registered Office :

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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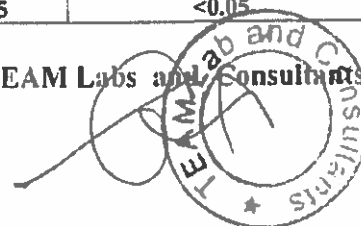
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TEST REPORT

Test Report No.		TLC/V/Env/CIL/17/0524		dl.01.06.2024
Description of Test		Ambient Air quality Monitoring inside the CFL		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		Stations as per details given		
Period of Monitoring		For the Month of MAY-2024		
Summary of Ambient Air quality Monitoring Data for the Month of MAY-2024				
Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate –13 (Near Bagging plant)
PM2.5	Minimum	31	38	37
	Maximum	42	44	42
	98%tile	42	44	42
	Average	38	41	40
PM 10 µg/M³	Minimum	67	70	72
	Maximum	78	84	78
	98%tile	78	84	78
	Average	73	78	75
SO₂ µg/M³	Minimum	13.8	21.0	14.6
	Maximum	23.5	29.5	16.3
	Average	19.7	26.6	15.4
	98%tile	23.5	29.5	16.3
NOx µg/M³	Minimum	18.6	21.8	18.8
	Maximum	22.9	25.8	22.0
	98%tile	22.9	25.8	22.0
	Average	20.8	24.1	20.9
NH₃ mg/M³	Minimum	0.025	0.04	0.02
	Maximum	0.04	0.06	0.04
	98%tile	0.04	0.06	0.04
	Average	0.04	0.05	0.035
O3 µg/M³	Minimum	16	18	16
	Maximum	22	22	22
	98%tile	22	22	22
	Average	19	21	20
CO mg/M³	Minimum	0.1	0.2	0.1
	Maximum	0.2	0.3	0.3
	98%tile	0.2	0.3	0.3
	Average	0.15	0.21	0.2
Pb µg/M³	<0.05	<0.05	<0.05	<0.05
C6H6 ng/M³	<0.05	<0.05	<0.05	<0.05
B(a)P ng/M³	<0.05	<0.05	<0.05	<0.05
As ng/M³	<0.05	<0.05	<0.05	<0.05
Ni ng/M³	<0.05	<0.05	<0.05	<0.05

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form-No. TCL/JGF/RF-138

Labs and Consultants**Registered Office :**

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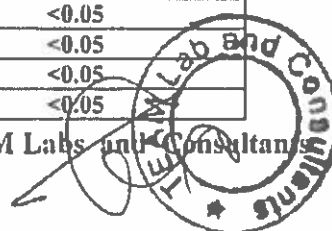
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NABL Accredited Laboratory

TEST REPORT

Test Report No.		TLC/V/Env/CIL/18/0524	dt.01.06.2024
Description of Test		Ambient Air quality Monitoring inside the CFL unit	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Period of Monitoring		For the Month of MAY-2024	
Summary of Ambient Air quality Monitoring Data for the Month of MAY-2024			
Parameters		AAQ-4 Station at Warf	AAQ-5 Station near VST
PM2.5	Minimum	35	36
	Maximum	42	42
	98%tile	42	42
	Average	39	39
PM 10 µg/M ³	Minimum	69	68
	Maximum	80	80
	98%tile	80	80
	Average	75	74
SO ₂ µg/M ³	Minimum	12.5	12.2
	Maximum	15.0	15.5
	Average	13.9	13.8
	98%tile	15.0	15.5
NO _x µg/M ³	Minimum	16.4	18.3
	Maximum	21.4	22.1
	98%tile	21.4	22.1
	Average	19.7	20.1
NH ₃ mg/M ³	Minimum	0.02	0.04
	Maximum	0.03	0.07
	98%tile	0.03	0.07
	Average	0.025	0.058
O ₃ µg/M ³	Minimum	16	18
	Maximum	22	22
	98%tile	22	22
	Average	18.8	19.8
CO mg/M ³	Minimum	0.1	0.1
	Maximum	0.3	0.3
	98%tile	0.3	0.3
	Average	0.21	0.2
Pb µg/M ³	<0.05	<0.05	<0.05
C6H6 ng/M ³	<0.05	<0.05	<0.05
B(a)P ng/M ³	<0.05	<0.05	<0.05
As ng/M ³	<0.05	<0.05	<0.05
Ni ng/M ³	<0.05	<0.05	<0.05

For TEAM Labs and Consultants



EHS/MoEF/2024-055

01/06/2024

To
The Director,
Regional Office (South Eastern Zone)
Ministry of Environment, Forests and Climate Change
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034

Dear Sir,

Sub: Half Yearly EC (CRZ Clearance) Compliance Report- regd.

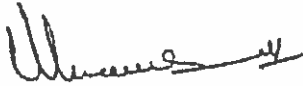
Ref: F. No. F.NO: 11/5/2022-IA.III dated 24.03.2022

Please find the attached half yearly compliance report of CRZ Clearance issued by MOEFCC for construction of seawater plant (Desalination plant) with capacity of 15 MLD.

Period of submission : Oct'23 to Mar'24
Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited



M. Gnanasundaram
VP – Head Manufacturing


NAG/DNR

Encl : a/a

CC: The Member Secretary, Head Office APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam



ENR30021-01-1 R. 101-5021780
SPP MARRIAGE S.O. 3300 8
Counter No:1.01/15/2024.10:58
To:THE HENGER S.O. P/S HENGER OFFICE
PIN:520007, Autonagel S.
From:ENS 4010, 2000-4 DEL
Mt:960000

Am:106.20, Tax:10.20, Aut. Paid:106.00 (Cash)

(Track on www.indiapost.gov.in/)

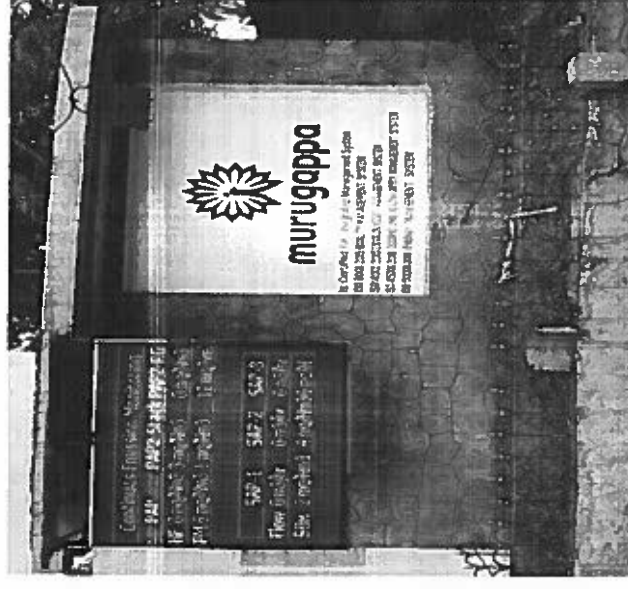
(Dist 160/2000-3) Near Nails, Stay Safe



ENR30021-01-1 R. 101-5021773
SPP MARRIAGE S.O. 3300 8
Counter No:1.01/15/2024.10:58
To:THE DIRECTOR, REGIONAL OFFICE
PIN:400004, Autonagel S.
From:ENS 4010, 2000-4 DEL
Mt:1150000

Am:142.50, Tax:21.50, Aut. Paid:142.00 (Cash)

DIGITAL DISPLAY BOARD AT MAIN GATE WITH ALL PARAMETERS



EHS/APPCB/2024-33

Dated:22/04/2024

To
The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -18

Dear Sir,

**Sub: Submission of Coromandel International Limited, SAP-03 & Desalination Plant
Fire NOC's - Reg.**

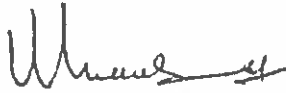
Ref: i) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023

With reference to above as per the above-mentioned CFO order special condition number: 48
, we are herewith submitting below listed Fire NOC's given by the Andhra Pradesh State
Disaster Response and Fire service department.

S. No	Name of the plant	Letter no.	Validity Date
1	Coromandel International Limited (SAP-03 & Desalination Plant, Visakhapatnam	File.No.20042/VSP/MSB/2023, Dated: 15/11/2023	14.11.2025

This is for your kind information & Records
Thanking you,

Yours faithfully,
For **COROMANDEL INTERNATIONAL LIMITED**



Gnanasundaram M
Vive President & Head of Manufacturing


NAG/DNR

Encl: Fire NOC copy

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 24 April 2024 16:10
To: rovspappcb@gmail.com
Cc: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of special conditions reports
Attachments: Submission of AAQMS online data for the six months as per EC complex PAP.crdownload; Submission of SAP -3 & Desalination plant Fire NOC.crdownload; Submission of monthly Piezo Well analysis report as per EC complex PAP.crdownload; Submission of Piezo Well analysis report as per CFO.crdownload; Public Liability Policy (PLI) April - 2024-2025 (Policy No. 96000036243300000001).pdf

Dear Sir,

Here we are submitting the following Special Conditions reports for your consideration.

1. Public Liability Act copy (Policy No. 96000036243300000001).
2. Fire NOC
3. Piezo well water analyses Quarterly reports as per CFO
4. Piezo well water analyses monthly reports as per EC
5. AAQMS online data reports as per EC

The same original copy along with backup documents we submitted on **23.04.2024** to your regional office. Again, we have submitted the same copy through mail as per your instruction.

Thanks & Regards,
Nageswara Rao G

EHS/APPCB/2024-24

28th March 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of safety audit report by Coromandel International Limited,
Visakhapatnam –Reg.

Ref: Special condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
Dt:04.08.2023 and Special condition number 27 in wharf area CFO order no:
APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Dear Sir,

This is bringing to your kind information that, we have submitted the safety audit report
by Coromandel International Limited, Visakhapatnam to the Factories Department Dated
28.12.2023 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of
general condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
Dt:04.08.2023 and Special condition number 27 in Wharf area CFO order no:
APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For **Coromandel International Limited, Visakhapatnam**



Mr. Nagaraju D
AGM- Head of EHS Department.


NAG

Enclosure: Annexure:01 Safety audit report.

18-12-2023

EHS/DCIF/2023-24/DEC-03

To

The Deputy Chief Inspector of Factories,
Door No. 50-50-35/8, Guru Charan Marg,
BS Lay Out, Seetammadhara,
Visakhapatnam - 13.

Subject: Factories Act 1948 - Submission of Annual Safety Audit Report and compliance status

Dear Sir,

As per Factories Act 1948, We have conducted a safety audit for our plant by external competent audit team. Here we are enclosing a copy of the Annual Safety Audit Report and the compliance status for your ready reference.

Thanking you,

Yours faithfully,
for Coromandel International Limited,

M. Murugasundaram
VP & Head Manufacturing

DNR/NL

Encl: Statutory Audit Report
Compliance status report

cc: The Joint Chief Inspector of Factories.
The Inspector of Factories, Visakhapatnam.
RO, APPCB, Visakhapatnam.

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 28 March 2024 16:15
To: rovspappcb@gmail.com; rovsp-ee1@appcb.gov.in
Cc: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; EHS2-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel
Subject: Submission of external safety audit report of Wharf and Main Plant - CIL, Vizag.
Attachments: Safety Audit Report.pdf

Dear Sir,

This is to kindly inform you that we have submitted the 3rd party safety audit report of Wharf and Main plant -Coromandel International Limited, to the Factories Department Dated on 28-12-2023 and acknowledge received.

Special condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023 and Special condition number 27 in wharf area CFO order no: APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

This is for your kind information & Records.

Regards,
Nagarjuna P
Manager-Environment
9100443439
SAVE ENVIRONMENT SAVE LIFE

Coromandel 

FUTURE POSITIVE

Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

Andhrapradesh, India.

F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPAL GROUP COMPANY



भारत सरकार / Government of India
वाणिज्य और उद्योग मंत्रालय / Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन / Petroleum & Explosives Safety Organisation (PESO)
डोर नंबर 7-20-13, किरतामपुडी लेआउट
विशाखापट्टनम - 530017
Door No. 7-20-13, Kirtampudi Layout, Visakhapatnam - 530017

ईमेल / E-mail : dyccevlzag@explosives.gov.in

दूरभाष / Phone/Fax No : 0891-2722257

दि/Date: 05/07/2022

सं / No : G/SZ/AP/06/7522(G83926)

सेवा में / To,

M/s. COROMANDEL INTERNATIONAL LIMITED,
Post Box No. 1116,
Malkapuram Post
Village/Town: SRIHARIPURAM,
City: Visakhapatnam (Urban),
Taluka: Visakhapatnam (Urban),
District: VISAKHAPATNAM
State: Andhra Pradesh
Pin : 530011

विषय / Sub : Survey No: Sy. No. 4 - 9 (Old) / 17 (New), Sriharipuram, Visakhapatnam, Village/Town: Gullapalem, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin : 530011 - में सिलेंडरों में LPG गैस का भंडारण- गैस सिलेंडर नियम, 2016 के फार्म एफ के अंतर्गत - निरीक्षण एवं अनुज्ञप्ति का पृष्ठांकन करने के बारे में / Storage of LPG in cylinders at Survey No: Sy. No. 4 - 9 (Old) / 17 (New), Sriharipuram, Visakhapatnam, Village/Town: Gullapalem, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin : 530011 - cover under Licence G/SZ/AP/06/7522(G83926) granted in Form F of Gas Cylinders Rules 2016 - Inspection & Endorsement of licence regarding.

महोदय / Sir
(s),

कृपया इस कार्यालय के दि. 03/06/2022 के ज्ञापन सं G/SZ/AP/06/7522(G83926) और दि. 11/06/2022 को उपरोक्त परिसर का अधोहस्ताक्षरकर्ता/ इस कार्यालय के अधिकारी द्वारा की गई निरीक्षण का अवलोकन करें/ Please refer to the this office Memo No : G/SZ/AP/06/7522(G83926) dated 03/06/2022 and inspection of the above premises by the undersigned /an officer of this office on 11/06/2022

The subject licence is returned herewith duly endorsed. The receipt of the licence may please be acknowledged.

कृपया नोट करें कि गैस सिलेंडर नियम, 2016 के नियम 55(5) के अनुसार, अनुज्ञप्ति के पुनः नवीकरण हेतु आवेदन this office कार्यालय को इस अनुज्ञप्ति की वैधता समाप्त होने के पूर्व (दिनांक 30 सितंबर 2026 को या इससे पूर्व) जमा कर दें। दिनांक 30 सितंबर 2026 के पश्चात परंतु दिनांक 30 सितंबर 2027 से पूर्व प्राप्त नवीनीकरण आवेदन, गैस सिलेंडर नियम, 2016 के नियम 55(7) के अनुसार, शूलक के साथ ही विचाराधीन होगा। दिनांक 30 सितंबर 2027 तक कोई नवीनीकरण आवेदन प्राप्त नहीं होने की स्थिति में यह अनुज्ञप्ति स्वतः निरस्त हो जाएगी। / Please note that your application for further renewal should reach this office on or before 30th September, 2026 along with all the documents as required under Rule 55(5) of Gas Cylinders Rules, 2016. Application for renewal of licence received after 30th September, 2026 but not later than 30th September, 2027 be considered only with penalty fee vide rule 55(7) (a)(b) of said Rules. The licence will automatically expire if no application is received upto 30th September, 2027.

भवदीय / Yours faithfully,

(एम.जी.तिहरे)
(M G Titre)

उप मुख्य विस्फोटक नियंत्रक
Dy. Chief Controller of Explosives
विशाखापट्टनम/Visakhapatnam

[अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए कृपया हमारी वेबसाइट <http://peso.gov.in> देखें।]
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

Note:-This is system generated document does not require physical signature.

Inspected & Endorsed
By: Dy.C.C.E., VSKP
3/7/2022



फॉर्म फ / FORM F

नियम 50, 51 और 54 देखें / (See Rules 50, 51 and 54)
Licence to store compressed gas in cylinders

अनुज्ञापि संख्या / Licence No. G/SZ/AP/06/7522(G83926)

वार्षिक शुल्क / Fee Rs. 2000/- per year

M/s. COROMANDEL INTERNATIONAL LIMITED, Post Box No. 1116, Malkapuram Post, Village/Town: SRIHARIPURAM, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin: 530011 को नीचे वर्णित और रेखांक संख्या G/SZ/AP/06/7522(G83926) dated 03/06/2022 में दर्शित किए गए अनुज्ञाप परिसर में, भारतीय विस्फोटक अधिनियम, 1884 (1884 का 4) और उसके अधीन बनाए गए नियमों के उपबंधों तथा इस अनुज्ञापि की अन्य शर्तों के अधीन रहते हुए, केवल संपीड़ित गैस से भरे सिलिंडरों को रखने के लिए ही विधिमय अनुज्ञापि दी जाती है। /

Licence is hereby granted to M/s. COROMANDEL INTERNATIONAL LIMITED, Post Box No. 1116, Malkapuram Post, Village/Town: SRIHARIPURAM, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin: 530011 valid only for the possession of cylinders filled with compressed gas in the licensed premises described below and shown in the plan No G/SZ/AP/06/7522(G83926) dated 03/06/2022 subject to the provisions of the Explosives Act, 1884(4 of 1884) and the Rules made thereunder and to the further conditions of this licence.

यह अनुज्ञापि 30 सितम्बर 2026 तक प्रवृत्त रहेगी। / The Licence shall remain in force till the 30th September 2026.

For Dy. Chief Controller of Explosives
Visakhapatnam
कुंते उप मुख्य विस्फोटक नियंत्रक
विशाखापट्टनम

June 3, 2022

अनुज्ञाप परिसर का विवरण और अवस्थिति / DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

निम्नलिखित विवरण के अनुसार सिलिंडरों में भरी गैस रखने के लिए अनुज्ञाप परिसर, जिसकी अभिव्यास सीमाओं और अन्य विशिष्टियों को संलग्न अनुमोदित रेखांक सं G/SZ/AP/06/7522 dated June 3, 2022 में दिखाया गया है, में अवस्थित है और जिसमें एक भण्डारण शैड है। / The licensed premises, the layout boundaries and other particulars of which are shown in the attached approved plan No. G/SZ/AP/06/7522 dated June 3, 2022 are situated at Gullapalem and consists of a storage shed for possession of the gas contained in cylinders as described here under:

गैस का प्रकार / Type of Gas	मात्रा / Quantity
a) विषैले / Toxic	--NIL--
b) गैर विषैले और गैर ज्वलनशील / Non-Toxic and Non Flammable	--NIL--
c) गैर विषैले और ज्वलनशील / Non-Toxic and Flammable	--NIL--
d) घुलित एसिटिलीन गैस Dissolved Acetylene Gas	--NIL--
e) एसपीजी के अलावा गैर विषैले और ज्वलनशील द्रवित गैस / Non-Toxic & Flammable liquefiable gas other than LPG	--NIL--
f) एसपीजी / Liquefied Petroleum Gas	LPG - 870 Kgs.

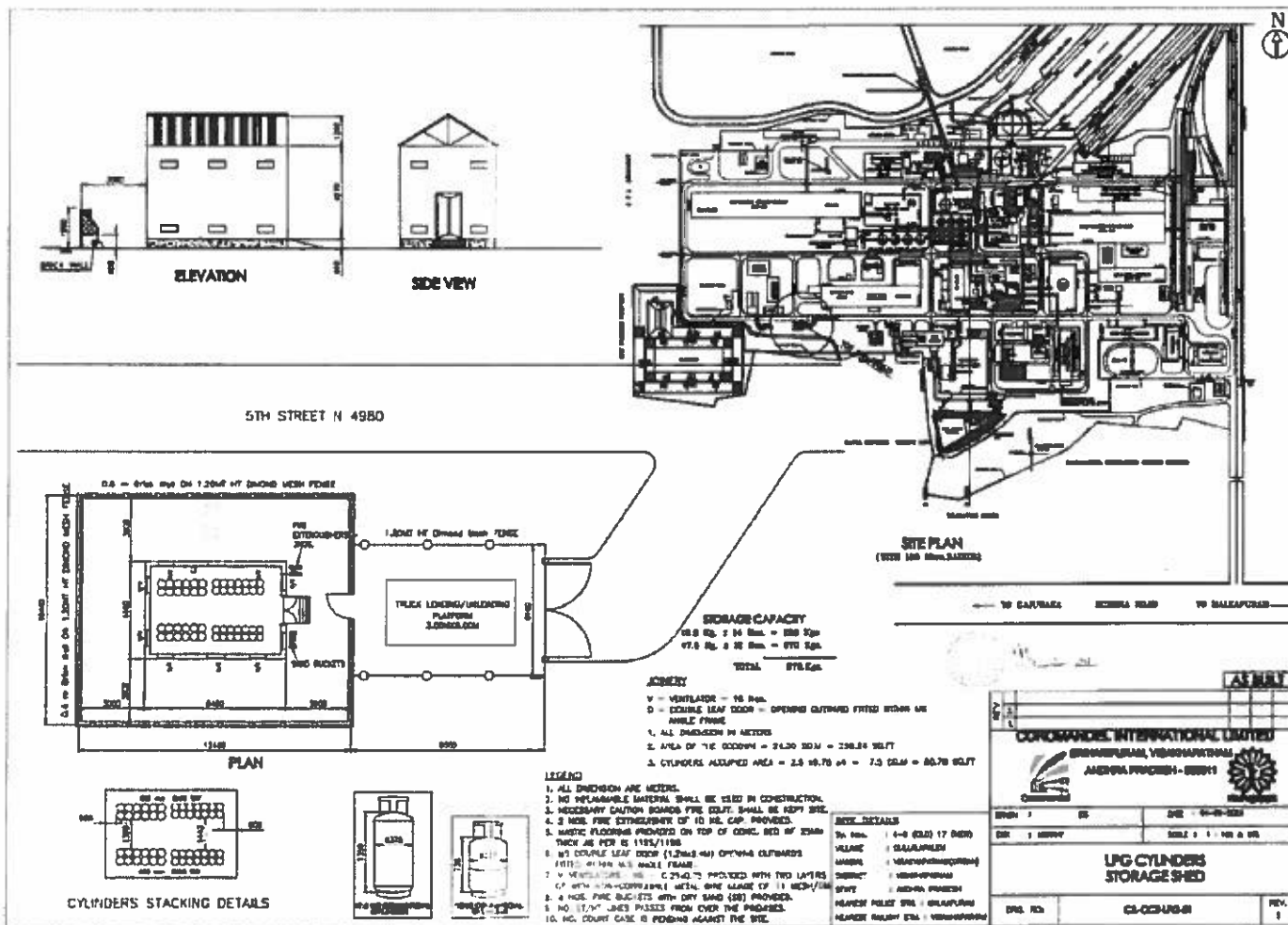
और प्लॉट संख्या Survey No. Sy. No. 4 - 9(Old) / 17 (New) गली का नाम गांव Gullapalem या नगर पुलिस थाना Malkapuram जिला VISAKHAPATNAM, राज्य Andhra Pradesh
and is situated at Survey No. Sy. No. 4 - 9(Old) / 17 (New) Village/Town Gullapalem Police Station: Malkapuram District: VISAKHAPATNAM, State: Andhra Pradesh

नवीकरण के पृष्ठान के लिए स्थान / SPACE FOR ENDORSEMENT OF RENEWALS

नवीकरण की तारीख / Date of Renewal	समाप्ति की तारीख / Date of Expiry	अनुज्ञापि प्राधिकारी के हस्ताक्षर / Signature and stamp of the licensing authority
इस अनुज्ञापि को, विस्फोटक अधिनियम, 1884 या उसके अधीन बनाए गए गैस सिलिंडर नियम, 2016 के उपबंधों या इस अनुज्ञापि की शर्तों का उल्लंघन न होने की दशा में, फीस में कोई छूट दिए बिना दस वर्ष तक नवीकृत किया जाएगा। / This licence shall be renewable without any concession in fee for ten years in the absence of contravention of the provision of the Explosives Act, 1884 or Gas Cylinders Rules, 2016, framed thereunder or of the conditions of the licence		

यदि अनुज्ञाप परिसर इससे उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाया जाता है और जिन नियमों और शर्तों के अधीन यह अनुज्ञापि दी गई है, उनमें से किसी का उल्लंघन होता है तो यह अनुज्ञापि रद्द की जा सकती है और अनुज्ञापि का धारक कारावास से, जिसकी अवधि दो वर्ष तक की हो सकेगी, या जुर्माने से, जो तीन हजार रुपये तक का हो सकेगा, या दोनों से, दण्डनीय भी होगा। / This licence is liable to be cancelled if the licensed premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable with imprisonment for the term which may extend to two years or with fine which may extend to three thousand rupees or with both.

Note:-This is system generated document does not require physical signature.



Digitally signed by J SARKAR
Reason: License No. : 03/2021/06/7522
Location: Vankhede Nagar (C03026)
Date: 2022.08.03 11:07:38 +05:30

EHS/APPCB/2024-030

Dated:22/04/2024

To
The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -18

Dear Sir,

Sub: Submission of Public Liability Act copy (Policy No. 96000036243300000001).

**Ref: i) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023
ii) CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021
iii) CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020**


With reference to above as per the general condition point No 43 specified in CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023 and Schedule – A in condition no : 03 in CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021 & CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020, we are herewith submitting the Public Liability Act Policy copy for the period of

Policy Period:

**From : 01/04/2024
To Midnight of : 31/03/2025**

This is for your kind information & Records
Thanking you,

Yours Truly
For Coromandel International Limited


Gnanasundaram M
Vice President & Head Manufacturing.


NAO/DNR

Encloser: PLA copy



POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	M/S.COROMANDEL INTERNATIONAL LIMITED		
Insured's Details		Issuing Office Details	
Customer ID	: PO59235971	Office Code	: HYDERABAD LCBO 960000 (960000)
Address	: COROMANDEL HOUSE, D.NO:1-2-10,SARDAR PATEL ROAD,SECUNDERABAD. SECUNDERABAD ,TELANGANA, 500003	Address	: LARGE CORPORATE AND BROKERS OFFICE, 7C,7TH FLOOR, SURYA TOWERS, S.P.ROAD, SECUNDERABAD ,500003
Phone No	:	Phone No	: 4027810302
E-mail/Fax	: MittalA@coromandel.murugappa.com, /	E-mail/Fax	: nia.960000@newindia.co.in /
PAN No	: AAACC7852K	S.Tax Regn. No	: AAACN4165CST178
GSTIN/UIN	: 36AAACC7852K2ZD / NA	GSTIN	: 36AAACN4165C3ZQ
	:	SAC	: 997139 (Other non-life insurance services excl RI)

Policy Details			
Policy Number	: 96000036243300000001	Business Source Code	
Period of Insurance	: From: 01/04/2024 12:00:01 AM To: 31/03/2025 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	: Marsh India Insurance Brokers Pvt. Ltd. - (2D10672900) Marsh_India_121400 - (2D10685525),
Date of Proposal	: 01-Apr-24	Agent/Bancassurance/S pecified Person	:
Prev. Policy no.	: 62030036233300000001	Phone No	: 7045922442, 8657561533 / NA
Client Type	: Corporate	E-mail/Fax	: Kamal.Pherwani@marsh.com, Pravin.chandvekar@marsh.com / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ In words)	Receipt No. & Date
230765	230765	41,538	5,03,068	RUPEES FIVE LAC THREE THOUSAND SIXTY-EIGHT ONLY	96000081240000000024 - 02/04/24

Details of risk covered under current year policy:

								Deductible s	
Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	No of workmen	No of Other Employee
01/04/2012	<= 15 Crore	19	50000000	1:3	150000000	150000000000	250000000000	14000	3000

Retroactive Dates

									Deductible s	
Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	No of workmen	No of Other Employee
RETROACTIVE DATE 1	01/04/2012	<=15Crore	19	50000000	1.3	150000000	150000000000	250000000000	14000	3000

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature Not Verified
Digitally signed by DHIRAJ KUMAR
Date: 2024.04.02 13:41:39+05'30'

Policy No. : 96000036243300000001 Document generated by 38308 at 02/04/2024 13:41:27 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.



Special Conditions	AS PER POLICY-19 NO.OF LOCATIONS AS PER LIST ATTACHED HEREWITH AS PER PUBLIC LIABILITY ACT POLICY Absolute exclusion for losses directly or indirectly arising out of contributed to by or resulting from Coronavirus (Covid 19 and /or nCov 2019) or any mutations or variations thereof.	
Special Exclusions	NA	
Special Excess/Deductible	0	
Retroactive Dates		Date
Retroactive date		01/04/2012

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details		
	Rate of Tax	Amount in INR
Premium		₹ 4,61,530
SGST	9	20769
CGST	9	20769
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 02nd day of April, 2024.

For and on behalf of
The New India Assurance Company Limited

Date of Issue: 02/04/2024

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 96000024E0000029

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

दिन्यू इंडिया एश्योरन्स कंपनी लिमिटेड
वृहत् कॉर्पोरेट एवं ब्रोकर्स कार्यालय - ९६०००
7th मंजिल, सूर्या टावर, गमडी रोड, सिकंदराबाद
५००००३, तेलंगाना
दूरभाष - ०४०-२७८१०३००, २७८१०३०२
फैक्स - ०४०-६६२६४४४३

हिन्दी हमारी राष्ट्रभाषा है, सारे देश की आशा है।



Leadership and Beyond

The New India Assurance Co Ltd

Large Corporate and Brokers Office - 960000

7th Floor, C Block, Surya Towers, SP Road,

Secunderabad - 500 003, Telangana

Telephone - 040 27810300, 27810302

Fax - 040 66264443

India's Premier General Insurance Company

Schedule attached to and forming part of policy no. 96000036243300000001

List of 19 Locations attached and forming part of Public Liability(Act only) Policy no:
96000036243300000001, Policy period : 01-04-2024 to 31-03-2025.

With reference to the captioned subject following are the list of Locations

1. M/S Coromandel International Ltd-VISAKHAPATNAM
2. M/S Coromandel International Ltd-KAKINADA
3. M/S Coromandel International Ltd-ENNORE
4. M/S Coromandel International Ltd-RANIPET
5. M/S Coromandel International Ltd-THANE
6. M/S Coromandel International Ltd-NAVI MUMBAI.
7. M/S Coromandel International Ltd-UNIT 1, JAMMU
8. M/S Coromandel International Ltd-UNIT2, BARI BRAHMANA, JAMMU
9. M/S Coromandel International Ltd, UMBERGAON
10. M/S Coromandel International Ltd, GIDC, NANDESARI
11. M/S Coromandel International Ltd, PALI
12. M/S Coromandel International Ltd, RAIBARELI
13. M/S Coromandel International Ltd, MADRI-UDAIPUR
14. M/S Coromandel International Ltd, JAGPURA-KOTA
15. M/S Coromandel International Ltd, MUNIRABAD
16. M/S Coromandel International Ltd, ANKHALESHWAR
17. M/S Coromandel International Ltd, DAHEJ
18. M/S Coromandel International Ltd -NIMRANI
19. M/S Coromandel International Ltd Super Phosphate factory, ENNORE

For The New India Assurance Company



Authorised Signatory

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 24 April 2024 16:10
To: rovspappcb@gmail.com
Cc: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel, Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of special conditions reports
Attachments: Submission of AAQMS online data for the six months as per EC complex PAP.crdownload; Submission of SAP -3 & Desalination plant Fire NOC.crdownload; Submission of monthly Piezo Well analysis report as per EC complex PAP.crdownload; Submission of Piezo Well analysis report as per CFO.crdownload; Public Liability Policy (PLI) April - 2024-2025 (Policy No. 96000036243300000001).pdf

Dear Sir,

Here we are submitting the following Special Conditions reports for your consideration.

1. Public Liability Act copy (Policy No. 96000036243300000001).
2. Fire NOC
3. Piezo well water analyses Quarterly reports as per CFO
4. Piezo well water analyses monthly reports as per EC
5. AAQMS online data reports as per EC

The same original copy along with backup documents we submitted on **23.04.2024** to your regional office. Again, we have submitted the same copy through mail as per your instruction.

Thanks & Regards,
Nageswara Rao G



Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

Andhrapradesh, India.

F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPA GROUP COMPANY

Upload (1) Vitals (1) Inboxes (1) 2. Existing APPC G. pccad go. Downloads APPC APPC

pcba.gov.in/UCSubmission_Compliance_of_EC_CFE_CFO_Directions

Free Image Enhancer Upload Image - file APPCIC PASS AD Jests - Write Exam

HOME ADDITIONS DIVISIONS INDUSTRY 1 FOR PUBLIC MANUALS TRAINING LITE CONTACT US CCM UNIT

Compliance of EC/CFE/ CFO/ Directions

For submission of compliance reports by the Industries

1. Compliance Report *	2. CFE Order Number *
15	65 APPCB/CFE/RO_VSP/HO/2012/23/11/2022-65 APPCB
3. CFE Order Issued On *	4. CFE Order Issued By *
11/12/2022	Head Office
5. District *	6. Line Of Activity *
Vizakhapatnam	Fertilizer (Granulation A)
7. Name Of Industry *	8. Address *
Coromandel International Limited, Visakhapatnam	Sri tur puram Street, Malkapuram Village, Vizakhapatnam (Urban) Mandal, Vizakhapatnam District
9. Email *	10. Phone *
1452@coromandelmurugapal.com	9100443439
10. Status of Compliance *	11. Upload the Compliance Report *
1 (100%)	Choose File CFE PDF

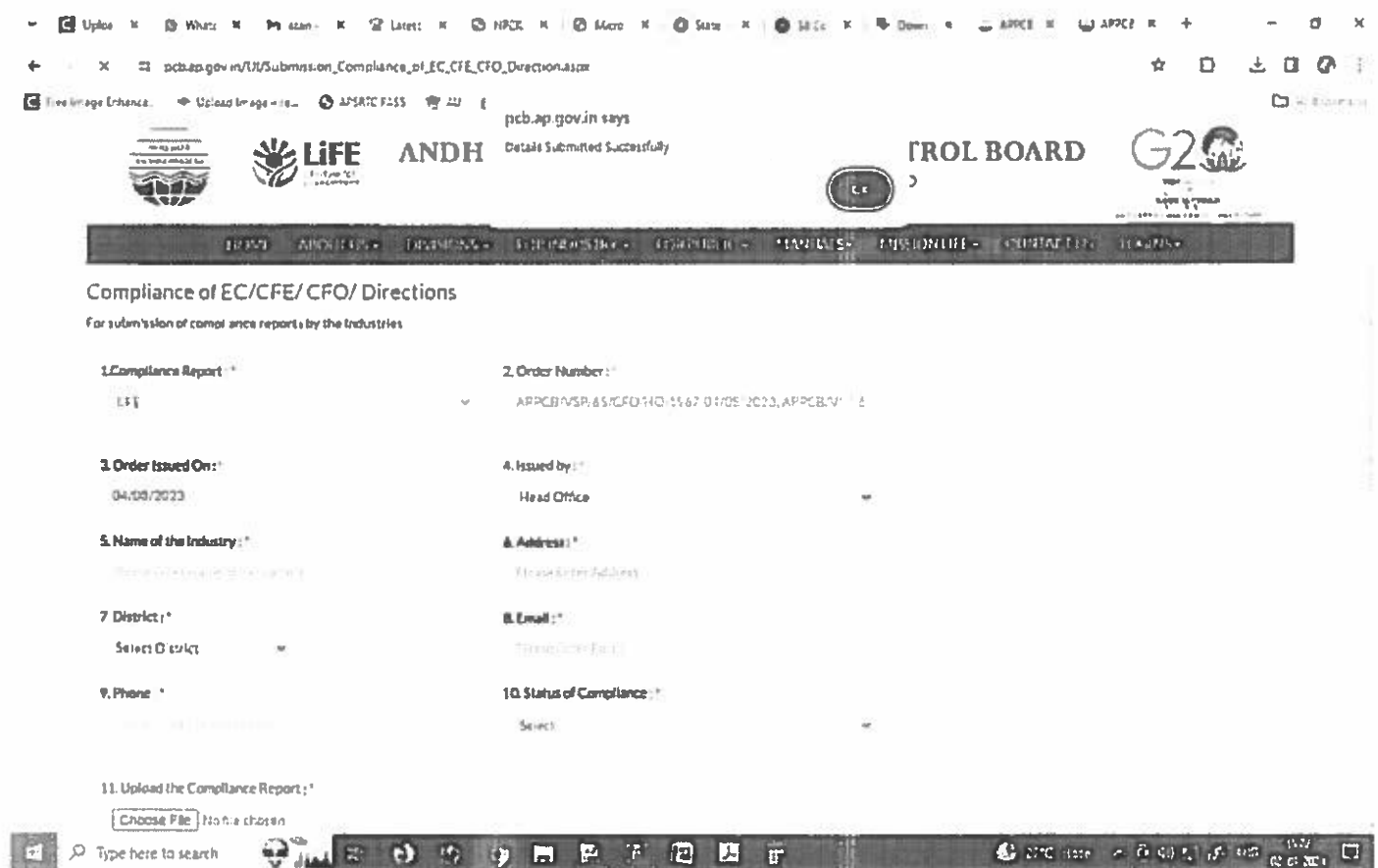
Note *

☒ CFE/CFO. Please note that under Section 47A of Water (Pollution) Act, 1974, no industry or establishment shall be allowed to come under this Act, henceforth, with effect from 1st January 2023, all industries or establishments shall be required to comply with the provisions of the Act, 1974.

Type here to search

160 TOTAL SECURITY

10:51 AM



To,
**The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Behind RTA Office,
Madhavadhara VUDA Colony,
Visakhapatnam - 530 018**

Date : 30.12.2023

**Sub : Submission of Six monthly compliance report as on 30.12.2023 for Consent For
Establishment order Issued For Establishment for Seawater Reverse Osmosis Plant-
Reg**

**Ref : 1. CFE No - Order No. 65/APPCB/CFE/RO-VSP/HO/2012 27/07/2022
2. APPCB paper notification Dated: 07.09.2019**

**With reference to the above subject, herewith we are submitting the Six monthly condition wise
compliance report as on 30.12.2023 of stipulated conditions in Consent For Operation issued
vide Order Order No. 65/APPCB/CFE/RO-VSP/HO/2012 27/07/2022 of M/s Coromandel
International Limited, Sriharipuram Visakhapatnam For Establishment for Seawater Reverse
Osmosis Plant duly Certified by M/s TEAM Labs and Consultants NABL accredited
Laboratory after carrying out site visit during the period 11.12.2023 to 19.12.2023 is enclosed for
records.**

Yours sincerely,


Authorized Signatory

**Enclosures: 1. CFE compliance report
2. NABL accreditation Certificate**

TEAM

Labs and Consultants

Registered Office : B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748655, 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Branch Office : # 24-4-11, Darul Fateh Building, 1st Floor, Harbour Road, Visakhapatnam-530 001.
Ph. : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

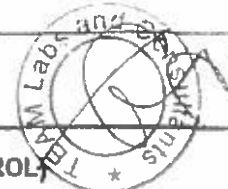
Coromandel International Limited, Visakhapatnam
Compliance status as on 31-12-2022 of Consent for Establishment Order
No. 65/APPCB/CFE/RO-VSP/HO/2012 dt 27.07.2022
From the period of June 2023 to November 2023

Sl. No.	Consent Order Condition	Compliance
1.	The proponent shall obtain consent for operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under Sec.21/22 of the Air (P&C of P) Act, 1981, before commencement of the train runs.	. Plant yet to be established. Noted by Industry and shall comply all the conditions prescribed in CFE
2.	The applicant shall provide separate energy meters for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.	Noted by Industry and will comply
3.	The industry shall construct separate storm water drains. No effluents shall be discharged in to the storm water drains.	Noted by Industry and will comply
Water		
4.	The source of water is Bay of Bengal and the maximum permitted water consumption is as following: The industry is having 6 KM open Canal from Wharf berth upto the plant area to use the sea water for once through cooling purpose in various sections of the existing plant. Hence, the industry has proposed to pump the sea water from the existing Canal. The Seawater Reverse Osmosis Plant (SWRO) plant requires about 40,000 m³/day of seawater to produce permeate of 15,000 m ³ /day meet the water requirement. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned above.	Noted by Industry and will comply
5.	The maximum waste water generation shall not exceed the following: RO rejects-25,000 m³/day The industry shall discharge the RO rejects into existing drain (which is industrial drain confluences of M/s. HPCL, M/s. Coromandel and M/s. Andhra Petro	Noted by Industry and will comply

(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

NABL Accredited Laboratory

Laboratory Recognised by Ministry Environment, Forests and Climate Change, Govt. New Delhi
EIA Consultancy Accredited by NABET, Quality Council of India.



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	Chemicals) joins at Meghadri Gedda surplus course which finally joins Bay of Bengal.			
Other Conditions:				
6.	The industry shall comply with all the conditions stipulated in the CRZ Clearance dt:24-03-2022 & EC amendment dt:27-06-2022 issued by MoEF & CC, Gol, New Delhi and also Board NOC dt:29-06-2021 and 02-11-2021.			Noted by Industry and will comply
7.	"The industry shall comply with the industry specific standards with respect to emissions tank farm vents stipulated by the MoEF & CC, Gol, New Delhi vide Notificaiton GSR541(E), dt:06-08-2021".			Noted by Industry and will comply
S. No	Details of Process Emissions	Emission Control System	Emissions Standard	Compliance
1.	HCl	Multi stage water scrubbers and alkali scrubbers in series	35 mg/Nm ³	Noted by Industry and will comply
2.	NH ₃		30 mg/ Nm ³	
3.	Chlorine		15 mg/ Nm ³	
4.	Benzene		5 mg/ Nm ³	
5.	Toluene		100 mg/ Nm ³	
6.	Acetonitrile		1000 mg/ Nm ³	
7.	Dichloromethane		200 mg/ Nm ³	
8.	Xylene		100 mg/ Nm ³	
9.	Acetone		2000 mg/ Nm ³	
8.	The industry shall display online data outside the main factory gate on quantity and nature of hazardous chemicals being used in the plant, water & air emissions and solid waste generated within the factory premises, as per Hon'ble Supreme Court Order.			Noted by Industry and will comply
9.	The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages/isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned			Noted by Industry and will comply

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	Regional Office, APPCB.	
10.	The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.	Noted by Industry and will comply
11.	The industry shall submit risk assessment report covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.	Noted by Industry and will comply
12.	the industry shall obtain PESO clearance & policy under PLI Act before applying for CFO of the Board.	Noted by Industry and will comply
13.	The industry shall inventorize the storage quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity/toxicity/flammability/explosive stored/handling in the premises as defined in the Management of Storage, import of Hazardous Chemicals (MSIHC) Rules, 1989 and the details shall be furnished to the Factories Department and to the Regional Office, APPCB on monthly basis duly certifying the same.	Noted by Industry and will comply
14.	The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment and the details shall be furnished to the Factories Department and to the Regional Office, APPCB time to time duly certifying the same by the industry. Further the industry shall extend training to the working personnels while handling hazardous chemicals for prevention of accidents and necessary antidotes to ensure the safety, as per the MSIHC Rules, 1989.	The industry is extending training to the working personnels while handling hazardous chemicals for prevention of accidents and necessary antidotes to ensure the safety, as per the MSIHC Rules, 1989.
15.	The industry shall carryout calibration of safety equipments and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the higher point in the industry premises.	Noted by Industry and will comply
16.	The industry shall comply with the Technical	Noted by Industry and will

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	suggestions at Chapter No.7.3 & 7.4 for Hazardous Chemicals handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at www.ap.gov.in.	comply
17.	The industry shall utilize DG power for captive consumption only & power shall not be supplied to grid and shall follow the amendments issued by MoEF & CC/CPCB from time to time on DG sets in respect of conditions & standards.	DG power is being utilized internally.
18.	The industry shall submit compliance to the conditions stipulated in the CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission Compliance of EC CFO Direction.aspx	Noted by Industry and will comply
19.	The industry shall submit the information regarding usage of Ozone Depleting substance once in six months to the Regional Office and Zonal Office of the Board.	Noted by Industry
20.	Concealing the factual data or submission of false information/fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant Pollution Control Acts.	Noted by Industry and will comply
21.	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.	Noted by Industry and will comply
22.	Any person aggrieved by an order made by the Sate Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules,	Noted by Industry and will comply

(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

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	1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.	
--	---	--

Coromandel International limited, Visakhapatnam

Compliance status as on 31.12.2022 of Consent for Establishment

order No: 65 /APPCB/CFE/RO-VSP/IO/2012dt 08.02.2020

S.N o	Consent Condition	Compliance															
1	The proponent shall obtain Consent for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the trial runs	Noted by Industry. New Sulphuric acid plant yet to be established. Industry will comply the conditions given in CFE order															
2	The applicant shall properly maintain separate energy meters for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided	Noted by Industry and will comply															
3	The industry shall properly maintain separate storm water drains. No effluents shall be discharged in to the storm water drains.	Noted by Industry and will comply															
4	Water: The source of water is GVMC & Sea. The maximum permitted water consumption is as following after expansion of Sulphuric acid plant: <table><tr><th>Sr.No</th><th>Purpose</th><th>Consented quantity as per CFE (Exp) dt: 26.04.2019 (KLD)</th><th>Proposed Quantity (Expansion)</th><th>Quantity after expansion (KLD)</th></tr><tr><td>1</td><td>Process & Washes</td><td></td><td></td><td></td></tr><tr><td>2</td><td>Industrial Cooling</td><td></td><td></td><td></td></tr></table>	Sr.No	Purpose	Consented quantity as per CFE (Exp) dt: 26.04.2019 (KLD)	Proposed Quantity (Expansion)	Quantity after expansion (KLD)	1	Process & Washes				2	Industrial Cooling				Noted by Industry and will comply
Sr.No	Purpose	Consented quantity as per CFE (Exp) dt: 26.04.2019 (KLD)	Proposed Quantity (Expansion)	Quantity after expansion (KLD)													
1	Process & Washes																
2	Industrial Cooling																

(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

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	(Makeup) – fresh water	10,350 (After expansion)	1800	10350*
3	Boiler Feed			
4	Domestic & other			
5	Customized fertilizer plant			
	Sub Total(1)	10350	1800	10350*
6	Industrial Cooling – Sea water	84,600		84,600
	Grand Total	94950	1800	94950
* Water consumption shall be restricted to 10,350 KLD as mentioned in the EC Order dt: 14.07.2017.				

5	The maximum waste water generation shall not exceed the following after expansion of Sulphuric acid plant	Noted by Industry and will comply																									
	<table><tr><td></td><td>Effluents</td><td>Consented quantity as per CFE (Exp) dated 26.04.2019 (KLD)</td><td>Proposed Quantity (Expansion)</td><td>Quantity after expansion (KLD)</td></tr><tr><td></td><td>Process & washings</td><td>1800</td><td>-</td><td>1800</td></tr><tr><td></td><td>Cooling water blow down</td><td>81600</td><td>-</td><td>81600</td></tr><tr><td></td><td>Domestic</td><td>530</td><td>-</td><td>530</td></tr><tr><td></td><td>Total</td><td>83930</td><td>-</td><td>83930</td></tr></table>			Effluents	Consented quantity as per CFE (Exp) dated 26.04.2019 (KLD)	Proposed Quantity (Expansion)	Quantity after expansion (KLD)		Process & washings	1800	-	1800		Cooling water blow down	81600	-	81600		Domestic	530	-	530		Total	83930	-	83930
	Effluents		Consented quantity as per CFE (Exp) dated 26.04.2019 (KLD)	Proposed Quantity (Expansion)	Quantity after expansion (KLD)																						
	Process & washings		1800	-	1800																						
	Cooling water blow down		81600	-	81600																						
	Domestic		530	-	530																						
	Total		83930	-	83930																						

ETP Details & Mode of Disposal			Noted by Industry and will comply
Source of effluent	Treatment	Mode of final disposal	
Process & washing effluents & Boiler/cooling tower blow downs, DM plant	ETP consists of Equalization " Reaction tank 1 " Clariflocculator - 1 " Buffer tank "	• Both treated sewage water and process effluents shall be recycled / reused within	

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TEAM

Labs and Consultants

Registered Office : B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555, 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Branch Office : # 24-4-11, Darul Fateh Building, 1st Floor, Harbour Road, Visakhapatnam-530 001.
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	rejects	Reaction tank 2 " Clariflocculator - 2 " Reaction tanks 3 cum Neutralization tank " Holding tank " Reaction tank - 4 & filter press.	factory premises to achieve Zero discharge except during the rainy season". • In case of low load plant operations and during rainy season, the quantity of effluent generated from Phosphoric acid post enhancement is 1800 KLD which shall be treated in the existing ETP plant and discharged along with once through cooling blow down through Meghadrigedda surplus course that joins sea.	
	Dilution coolers - Once through cooling	-	Into Meghadrigedda surplus course which joins Sea	
	Domestic Effluents	STP	Recycled / reused within the factory premises	
6	All the units of the ETP & STP systems shall be impervious to prevent ground water pollution. The ETP & STP systems shall be maintained properly to achieve the standards.			Noted by Industry and will comply
7	Process effluents shall be recycled / reused within factory premises to achieve zero discharge except during the rainy season, as stipulated in Specific condition no. (ix) of EC order dt. 14.07.2017.			Noted by Industry and will comply
8	During rainy season, the treated waste water shall conform to the water discharge standards, as stipulated in condition no.2 of Schedule-B of CFO order dt. 19.03.2018.			Noted by Industry and will comply
9	The industry shall provide magnetic flow meters with totalisers at the inlet and outlet of ETP.			Noted by Industry and will comply
10	Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. All pipe valves, sewers, drains shall be leak proof.			Noted by Industry and will comply
11	AIR: The Air pollution Control equipment shall be maintained properly and shall comply with the following for controlling air pollution after expansion of			Noted by Industry and will comply

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Sulphuric acid plant					
Sr.No	Details of Stack	Attached to	capacity	Stack height(m)	Details of Air Pollution Control Equipment
1	Stack-1	Sulphuric acid plant	1700TPD	69	Alkali Scrubber
2	Stack-2	Sulphuric Acid Plant (New)	400 TPD	50	Alkali Scrubber
3	Stack-3	Phosphoric Acid Plant	700 TPD	33	Evaporator followed by series of barometric condensers
4	Stack-4	Rock Phosphate Grinding unit (Old Ball Mill)	40 TPH	45	Bag Filter
5	Stack-5	Rock Phosphate Grinding Unit (New Ball Mill)	20 TPH	45	Bag Filter
6	Stack-6 to 8	Complex fertilizer Plant Complex A-Train Complex B Train Complex C Train	3900 TPD	37.8 37.8 37.3	4 stage Scrubbing system (for ammonia recovery and multi cyclone 6 Nos.) X3 Nos.
7	Stack-9	Customized fertilizer	300 TPD	30	Cyclones followed

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		Plant Drier (2 Nos). & process coolers (2 Nos.) of customize d fertilizer			by wet scrubber
8	Stack-10	Oil Fired boiler through 5 MW T.G. Set	48 TPH	30.48	Cooler Gas
9	Stack-11	Oil Fired Boiler	31 TPH	30.48	---
10	Stack-12	Oil Fired Boiler	1.5 TPH	30.48	---
11	Stack-13	D.G. Set*	6 MW	Operating in any emergency condition	Acoustic enclosures
12	Stack-14	D.G. Set*	4 MW		
13	Stack-15	Phosphori c Acid Plant	700 TPD	33	Evaporato r followed by series of barometri c condenser fumes scrubber
14	Stack-16	Rock Phosphate grinding Units	75 TPH	45	Bag Filters
15	Stack-17	Coal Fired Boiler & Back pressure Turbine	40 TPH & 5 MW	56	ESP
16	Stack-18	Rock Phosphate grinding unit	30 TPH	30	Bag Filters
New Stack as per CFE expansion:					

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	17	Stack-19	Sulphuric Acid Plant	1500 TPD	60 m.	Alkali Scrubber	
12.	The industry shall properly maintain 400 MTPD evaporation system for Phosphoric Acid including Fluorine recovery system as stipulated in the EC Order.						Complied by Industry,
13.	A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. a platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.						Noted by Industry and will comply
14	The industry shall properly maintain online pH measuring facility with auto recording system to the scrubbers provided to treat the process emissions.						Noted by Industry and will comply
15	The industry shall implement adequate measures to control all fugitive emissions from the plant.						Noted by Industry and will comply
16	The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoEF, GoI vide notification No.GSR.826 (E), dated.16-11-2009 during construction and regular operational phase of the project at the periphery.						Being complied by Industry
Solid/Hazardous Waste:							
17	The industry shall comply with the following for disposal of Solid Waste after expansion of Sulphuric acid plant:						
S. No.	Name of the Hazardous Waste	Quantity as per CFE (Exp) dt:26-04-2019	Proposed Quantity (Expansion)	Mode of Disposal		Compliance	
1	Acid residues (Tank bottom sludge)	45 TPA	---	Recycled phosphoric reactor.	into acid	Noted by Industry and will comply	
2	LSHS Sludge	10 TPA	---	TSDF Incineration	for		
3	Sulphur muck (Sulphur sludge)	750 TPA	550 TPA	Recycled into the process as a filler material in the granulation plant			
4	Spent catalyst	65 TPA	50 TPA	Authorized reproprocessors recyclers (or) TSDF, Parawada for secured land fill.			

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5	Used lubricating oil/drained oil	50 KLPA	---	To authorized re-processors/Recycle rs/to the Cement industries for co-processing in the kiln.
6	Detoxified containers and container liners	700 Nos	--	To authorized agencies, after complete detoxification for re-use/recycle.
7	Scrubbing sludge	450 TPA	--	Reuse back in the process
8	E Waste	25 TPA	---	Authorized e-waste recyclers/dismantlers.
9	Fly ash	25 TPD	---	To cement industries / brick manufacturing units.
18	The following rules and regulations notified by the MoEF & C, Govt. of India shall be implemented.			Noted by Industry and will comply
	<ul style="list-style-type: none"> a. Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016. b. Plastic Waste Management Rules, 2016. c. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989. d. Fly Ash Notification, 2016. e. Batteries (Management & Handling) Rules, 2010. f. E-waste (Management) Rules, 2016. g. Construction and Demolition Waste Management Rules, 2016. h. Solid Waste Management Rules, 2016. i. The Public Liability Insurance Act, 1991 and its amendments thereof. 			

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Other Conditions:

19	<p>The industry shall comply with the following:</p> <ul style="list-style-type: none">• The industry shall comply with all the conditions stipulated in the CFO order within a year.• The industry shall control the leakages in the Rock Phosphate feeding area by April, 2020.• Setting up new Sulphuric acid plant with State-of-Art technology and to achieve SO₂ emission of 0.75 Kg SO₂ /MT of acid (100%).• Reduction of SO₂ emission in Sulphuric acid plant-1 from 1 Kg SO₂/MT of acid to 0.8 Kg SO₂ /MT of acid through addition of high Vandadium content catalyst in 5th bed of the converter and higher loading of catalyst into the converter.• Using low sulphur coal of 0.50% sulphur content against 0.7% in coal fired boiler.• Addition of lime stone powder into the coal fired boiler for improved absorption of SO₂ from 50% (as per earlier consideration), to 80%	Noted by Industry and will comply
20	<p>The industry shall submit compliance to the conditions stipulated in the EC and CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission Compliance- of EC CFE CFO Direction.aspx</p>	Noted by Industry and will comply
21	<p>The industry submitted a copy of letter stating that the MoEF&CC, Gol, New Delhi vide lr.dt:30-05-2018 addressed to M/s. Southern Petro Chemical Industries Corporation (SPIC) clarified that the intermediate product (Phosphoric Acid) is not covered under the purview of the ELA notification 2006 and as such there is no requirement of Environmental Clearance to the said project as stand alone. Similarly, in this case also EC is not required as Sulphuric Acid is one of the raw materials/intermediates for manufacture of Chemical fertilizer.</p>	Noted by Industry and will comply
22	<p>The industry shall submit a report on recycling of treated effluent into the process to achieve zero discharge except during rainy season.</p>	Present Industry is following zero discharge concept
23	<p>Green belt shall be developed all along the boundary & vacant spaces with tall growing trees with good canopy and it shall not be less than 33% of the total area.</p>	complied
24	<p>Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.</p>	Noted by Industry and will comply
25	<p>Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air</p>	Noted by Industry and will comply

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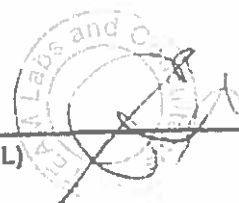
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	(Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.	
26	Any person aggrieved by an order made by the State Board Under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted Under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.	Noted by Industry

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EHS/APPCB/2024-39

May 06th, 2024.

To
The Environmental Engineer,
Regional Office,
A.P. Pollution Control Board,
Visakhapatnam.

Sir,

Sub: Coromandel International Limited, Sriharipuram, Malkapuram (PO),
Visakhapatnam Dist. - Submission of consumption of the ozone depleting
substances by industry through sensors as per CFE order no.
65/APPCB/CFE/RO-VSP/HO/2012 dated: 22.11.2022.

Ref: CFE order no. 65/APPCB/CFE/RO-VSP/HO/2012 dated: 22.11.2022.

As per Point No.33 of other conditions from the above referred CFE order dated
22.11.2022, would like to update the board that, consumption of the ozone depleting
substances at the site is being monitored regularly.

Herewith, find attached the ODS consumption records for the duration of October
2023 to March 2024 as Annexure-I for your kind reference towards compliance of the
point.

Kindly acknowledge the receipt of the same.

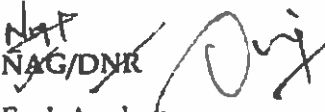
Thanking you,

Yours Truly

For Coromandel International Limited


Gnanasundaram M

Vice President & Head Manufacturing.


NAG/DNR
Encl. As above

CC to: The JCEE, APPCB, Zonal Office, Visakhapatnam.

Annexure-I

Coromandel International Limited, Visakhapatnam

OZONE-DEPLETING SUBSTANCES USAGE DETAILS FROM OCT'23 – MAR'24

S. No	Month	ODS Consumption details (kgs)
1	October'2023	60
2	November'2023	28
3	December'2023	19
4	Jan'2024	25
5	Feb'2024	17.5
6	Mar'2024	20.5
	Total	170

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 07 May 2024 15:18
To: rovspappcb@gmail.com; zovspappcb
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Submission of Half Yearly ODS consumption data (October - 2023 to March -2024)
Attachments: Submission of ODS Half Yearly consumption Oct 23 to Mar 24.pdf

Dear Sir,

As per Point No.33 of other conditions from the CFE order dated 22.11.2022, would like to update the board that, consumption of the ozone depleting substances at the site is being monitored regularly.

Herewith, find attached ODS consumption records for the duration of October - 2023 to March -2024 as Annexure-I for your kind reference towards compliance of the point.

Thanking you sir,

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE



FUTURE POSITIVE

Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

Andhrapradesh, India.

F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPA GROUP COMPANY

EHS/APPCB/2024-111

Dated: 28/10/2024.

To
The Environmental Engineer,
Regional Office,
A.P. Pollution Control Board,
Visakhapatnam.

Sir,

Sub: Coromandel International Limited, Sriharipuram, Malkapuram (PO),
Visakhapatnam Dist. - Submission of consumption of the ozone depleting
substances by industry through sensors as per CFE order no.
65/ APPCB/CFE/RO-VSP/HO/2012 dated: 22.11.2022

Ref: CFE order no. 65/ APPCB/CFE/RO-VSP/HO/2012 dated: 22.11.2022.

As per Point No.33 of other conditions from the above referred CFE order dated
22.11.2022, would like to update the board that, consumption of the ozone depleting
substances at the site is being monitored regularly.

Herewith, find attached the **ODS consumption records** for the duration of **April 2024
to September 2024** as **Annexure-I** for your kind reference towards compliance of the
point.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours Truly

For Coromandel International Limited



Gnanasundaram M
Vice President & Head Manufacturing.

NAG/DNR 

Encl. As above

CC to: The JCEE, APPCB, Zonal Office, Visakhapatnam.



EHS/APPCB/2024-111

Dated: 28/10/2024.

To
The Environmental Engineer,
Regional Office,
A.P. Pollution Control Board,
Visakhapatnam.

Sir,

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to **September 2024** as **Annexure-I** for your kind reference towards compliance of the
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Kindly acknowledge the receipt of the same.

Thanking you,

Yours Truly

For Coromandel International Limited



Gnanasundaram M
Vice President & Head Manufacturing.


NAG/DNR
Encl. As above

CC to: The JCEE, APPCB, Zonal Office, Visakhapatnam.

Annexure-I

Coromandel International Limited, Visakhapatnam

OZONE-DEPLETING SUBSTANCES USAGE DETAILS FROM APR'24 – SEP'24

S. No	Month	Type of gas	ODS Consumption details (kgs)
1	September'2024	R-22	32
2	August'2024	R-22	15
3	July'2024	R-22	13.5
4	June'2024	R-22	27.5
5	May'2024	R-22	41
6	April'2024	R-22	29
	Total		158